

Maintenance Work Order

Work Order: 90350
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 3/12/2026

Mechanic Name	Schedule Date	Work Complete?
Colton L Webb	2/23/2026	<input checked="" type="checkbox"/>
John M. Pohlman	2/23/2026	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 25-C265	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 4432 on 2/24/2026 by John M. Pohlman
 Odometer: on by
 Last Hour Service (Lifetime): 4432 (4432) on 2/24/2026
 Last Odometer Service (Lifetime): on

Problem Description: Prep for Auction. Replace all decals

Labor Items:

Work Code	Item Code	ST	OT	DT	
Install	27 - Cab / Body:Decals - Elder / Unit #		4.50	0.00	0.00
Perform	10 - Inspection / Cleaning		3.50	0.00	0.00
Prep	10 - Inspection / Cleaning:Clean / Prep for Auction		3.00	0.00	0.00
Remove	27 - Cab / Body:Decals - Elder / Unit #		3.50	0.00	0.00
Replace	27 - Cab / Body:Door Latch / Lock		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Maintenance Work Order

Work Order: 90350
Priority: Normal
Due Date:

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN002309817, Item Description: Dust cap, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN002309813, Item Description: Spring as-ga, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN002309985, Item Description: Handle as-pa, dust cap, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN002309808, Item Description: Film-cat, film-299d3, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
----------	-------------	-----------	-------	----------

Notes:

3/4/2026	Colton L Webb	3/4/26 - Received the new "Two Speed" decals that go on the loader arms, so I installed them. Jmac and I then installed the belly guards back on.		
3/3/2026	Colton L Webb	3/2/26 - Brought the machine back in so that we could remove the decals we were advised to leave on until the new arrived. We then went through and installed all of the original decals. The engine door latch had previously been pried on and was bent, so we replaced it.		
2/25/2026	Colton L Webb	2/24/26 - After lifting the cab, found that a bunch of zip ties had been left on from a previous repair so I went through and cut them out. Looked over and made sure there wasn't any leaks or issues while I was in there. The machine was due for a PM1, so J Mac drove the machine around to bring up to operating temps and then brought it back in to service it.		
2/24/2026	Colton L Webb	2/23/26 - J Mac and I brought the machine into the shop so that we could begin to get it ready for the auction. Went through and removed all of the decals, and then reordered new ones to install after the machine has been cleaned. Grinded off all of the unit numbers and name on the buckets. Removed the SMV sign and bracket. Did a brief inspect of the machine of the operations of things to confirm they work properly.		

Maintenance Work Order

Work Order: 90362
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 3/2/2026

Mechanic Name	Schedule Date	Work Complete?
John M. Pohlman	2/24/2026	<input checked="" type="checkbox"/>

Equipment ID: 31-100 Description: Cat 299D3 Compact Track Loader
Work Order Job: 25-C265 VIN #
Current Job: 25-C265 Serial # DY901700
Current Location: 25-C265 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 299D3
Carrier Name:

Meter Reading: Hours: 4432 on 2/24/2026 by John M. Pohlman
Odometer: on by
Last Hour Service (Lifetime): 4432 (4432) on 2/24/2026
Last Odometer Service (Lifetime): on

Problem Description: PM1/250hr.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Perform	26 - PM / Service:PM's Hours:PM1/250		2.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

2/24/2026 John M. Pohlman Done at shop.

Maintenance Work Order

Work Order: 86975
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 2/24/2026

Mechanic Name	Schedule Date	Work Complete?
John M. Pohlman	8/14/2025	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 24-N118	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 4113 on 8/19/2025 by John M. Pohlman
 Odometer: on by
 Last Hour Service (Lifetime): 4113 (4113) on 8/19/2025
 Last Odometer Service (Lifetime): on

Problem Description: PM4/2000hr. How does hydraulic oil look? Copper spiked at last service.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Perform	26 - PM / Service:PM's Hours:PM4/2,000		4.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

8/25/2025 John M. Pohlman Hydraulic oil looked normal.
 8/19/2025 John M. Pohlman Done and washed at Valley high school. Both radiator cover shocks need replaced.

Maintenance Work Order

Work Order: 89710
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 1/19/2026

Mechanic Name	Schedule Date	Work Complete?
Kyle R. Gerke	12/29/2025	<input checked="" type="checkbox"/>
Chase A. Rose	12/30/2025	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 25-C265	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 4420 on 12/8/2025 by Williams, Trevor L.
 Odometer: on by
 Last Hour Service (Lifetime): 4113 (4113) on 8/19/2025
 Last Odometer Service (Lifetime): on

Problem Description: After treatment fault 4334-4 SCR dosing absolute pressure voltage below normal. Replace DCU harness. Replace DEF pump. Replace cab struts. Replace outer cab filter housing.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Diagnose	11 - Engine:DPF/DEF /SCR System:DEF Pump		3.50	0.00	0.00
Parts Delivery or Pickup	11 - Engine:DPF/DEF /SCR System:Wiring/H arness		1.00	0.00	0.00
Replace	11 - Engine:DPF/DEF /SCR System:DEF Pump		8.00	0.00	0.00
Replace	11 - Engine:DPF/DEF /SCR System:Wiring/H arness		2.00	0.00	0.00
Replace	16 - Chassis / Suspension:Shock		1.50	0.00	0.00
Replace	28 - Air Conditioning / Heating System:Cab Air Filter		1.50	0.00	0.00

Maintenance Work Order

Work Order: 89710
Priority: Normal
Due Date:

Parts List:

Part Num	Name	UOM	Qty Used
----------	------	-----	----------

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN002237093, Item Description: Screw-Truss, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN002239115, Item Description: Plate As, Bracket As, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN002237095, Item Description: Mnt-Gp, Strap Cable, Wshr, Nut, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN002237092, Item Description: Mount, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN002237094, Item Description: Bolt-Flange, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: CM000303218A, Item Description: CR bolt, plate as. bracket as, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN002233144, Item Description: Harness As, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN002234999, Item Description: Mount As, Spr As-Ga, Spacer, , Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
----------	-------------	-----------	-------	----------

Maintenance Work Order

Work Order: 89710
Priority: Normal
Due Date:

Notes:

1/16/2026	Chase A. Rose	1/15/25 - Replaced outer cab filter housing. Installed LH track and tightened. Lowered off stands and verified all functions worked properly with no leaks or codes. Parked unit in west lot and cleaned up bay.
1/16/2026	Chase A. Rose	1/14/26 - Had to move unit into shop with IT. Set machine up on stands and removed LH track. Raised cab and removed DEF pump. Followed SIS measurements and marked out drill mounting holes for the updated DEF mounting plate. Noticed one of the holes was behind the LH drive motor hoses. Spoke with taylor if we wanted to update the mounting as the unit is potentially going away and we would have to dump more time and money into repair. Came up with game plan and re-used old mounting plate and installed new DEF pump. Swapped over old DCU and hooked up all hoses and connections. Replaced cab struts.
1/16/2026	Chase A. Rose	1/14/26 - Had to move unit into shop with IT. Set machine up on stands and removed LH track. Raised cab and removed DEF pump. Followed SIS measurements and marked out drill mounting holes for the updated DEF mounting plate. Noticed one of the holes was behind the LH drive motor hoses. Spoke with taylor if we wanted to update the mounting as the unit is potentially going away and we would have to dump more time and money into repair. Came up with game plan and re-used old mounting plate and installed new DEF pump. Swapped over old DCU and hooked up all hoses and connections. Replaced cab struts.
1/4/2026	Chase A. Rose	12/30/25 - Drove to Ziegler and picked up parts. Drove to unit and replaced DCU harness. Test ran unit but had same code. Ran several diagnostic tests and found the pump is shot. Looked up parts and ordered updated DEF pump.
1/4/2026	Chase A. Rose	12/29/25 - Drove to unit and started running through diagnosing. Found the DCU harness had several exposed wires. Ordered new harness. Also ordered new cab struts.
12/29/2025	Kyle R. Gerke	Drove out to machine but had to get pulled off unit before diagnosing unit.

Maintenance Work Order

Work Order: 88971
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 11/24/2025

Mechanic Name	Schedule Date	Work Complete?
Ronnie L Kelso	11/13/2025	<input checked="" type="checkbox"/>
Colton L Webb	11/13/2025	<input checked="" type="checkbox"/>
John M. Pohlman	11/13/2025	<input checked="" type="checkbox"/>
Kyle R. Gerke	11/19/2025	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 25-T106	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 4396 on 11/22/2025 by Kuhse, Kraig L.
 Odometer: on by
 Last Hour Service (Lifetime): 4113 (4113) on 8/19/2025
 Last Odometer Service (Lifetime): on

Problem Description: Hydraulic leak on left side drive motor hose. Adapter was loose and the o-ring was pushed out. Has rattle in engine compartment.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Diagnose	11 - Engine:Exhaust Piping and Clamps		1.00	0.00	0.00
Replace	12 - Transmission / Power Train:Hydrostatic Fittings / Lines		11.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN002165411, Item Description: Adapter-str, hose as, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN002167376, Item Description: Adapter-str, hose as, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN002165253, Item Description: Seal-o ring, Vendor Name: Ziegler, Inc.	\$0.00

Maintenance Work Order

Work Order: 88971
Priority: Normal
Due Date:

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

11/22/2025	Kyle R. Gerke	11-19-25 Unit has rattle coming from engine compartment. Had operator run machine so i could find rattle found heat shield around the exhaust pipe is loose.			
11/14/2025	Ronnie L Kelso	11/14/25 Removed lower larger hose on the left side travel motor. Installed a new hose and fitting. Installed the hose brackets and topped off the hydraulic oil. Removed the belly pan and sprayed with citrus for Manny. Cleaned up the bay from the oil leak, put away tools. Test ran the machine.			
11/14/2025	Colton L Webb	11/13/25 - Helped Ron with the hydraulic hoses.			
11/14/2025	Ronnie L Kelso	11/13/25 Brought machine into shop, inspected for leak at left travel motor. Found the lower large fittings was loose and the o-ring was torn. Removed the fitting and installed a new o-ring. Topped off the oil and started machine. The same hose started leaking. Raised the cab and removed the hose that was leaking. Ordered a new one and ordered the quick dis connect adapter.			

Maintenance Work Order

Work Order: 88786
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 11/6/2025

Mechanic Name	Schedule Date	Work Complete?
Justin R Wicker	11/5/2025	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 24-C259	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 4326 on 11/5/2025 by Lewis, Jeff
 Odometer: on by
 Last Hour Service (Lifetime): 4113 (4113) on 8/19/2025
 Last Odometer Service (Lifetime): on

Problem Description: Check out bad machine vibration.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Diagnose	17 - Undercarriage:Rubber Track		1.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

11/5/2025 Justin R Wicker Drove to machine and checked out vibration. Ran machine and inspected undercarriage and tracks. Didn't find enough wear to replace tracks but tracks are worn and will need to keep an eye on them. Called Kyle K. and explained wear and issues.

Maintenance Work Order

Work Order: 88015
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 10/28/2025

Mechanic Name	Schedule Date	Work Complete?
Kyle R. Gerke	9/30/2025	<input checked="" type="checkbox"/>
Michael G Laymance	10/4/2025	<input checked="" type="checkbox"/>
Colton L Webb	10/14/2025	<input checked="" type="checkbox"/>
Ronnie L Kelso	10/18/2025	<input checked="" type="checkbox"/>
John J. Lauber	10/17/2025	<input checked="" type="checkbox"/>

Equipment ID: 31-100 Description: Cat 299D3 Compact Track Loader
Work Order Job: 25-R143 VIN #
Current Job: 25-C265 Serial # DY901700
Current Location: 25-C265 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 299D3
Carrier Name:

Meter Reading: Hours: 4292 on 10/24/2025 by Lewis, Jeff
Odometer: on by
Last Hour Service (Lifetime): 4113 (4113) on 8/19/2025
Last Odometer Service (Lifetime): on

Problem Description: Repair inspection. RH drive motor hoses blown. Left drive motor fault. Replace both drive motors with reman assemblies from Ziegler. Found to have hoses installed incorrectly under the cab...

Maintenance Work Order

Work Order: 88015
Priority: Normal
Due Date:

Labor Items:

Work Code	Item Code	ST	OT	DT	
Calibrate	12 - Transmission / Power Train		4.00	0.00	0.00
Diagnose	12 - Transmission / Power Train:Hydrostatic Drive		11.50	0.00	0.00
Diagnose	12 - Transmission / Power Train:Hydrostatic Fittings / Lines		1.00	0.00	0.00
Install	12 - Transmission / Power Train:Drive Motor		9.50	0.00	0.00
Parts Delivery or Pickup	12 - Transmission / Power Train:Hydrostatic Fittings / Lines		1.00	0.00	0.00
Remove	12 - Transmission / Power Train:Drive Motor		4.50	0.00	0.00
Repair	12 - Transmission / Power Train:Hydrostatic Fittings / Lines		3.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Maintenance Work Order

Work Order: 88015
Priority: Normal
Due Date:

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN002113081, Item Description: Bolt, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: CM000285443B, Item Description: CR adapter str, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: SI000715275, Item Description: Reman motor final drives R&L, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN002088086, Item Description: Adapter str, hose as, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: SI000714484, Item Description: Repair final drive left, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN002123187, Item Description: Mntrmt kt#s, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN002117399, Item Description: Sensor speed, bolt, seal, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: CM000293371, Item Description: CR bolt-socket, valvegp-sol, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN002120711, Item Description: Bolt-socket, valve gp-sol, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
----------	-------------	-----------	-------	----------

Maintenance Work Order

Work Order: 88015
Priority: Normal
Due Date:

Notes:

- 10/20/2025 Colton L Webb 10/18/25 - Pulled the tracks back off of the machine so that i could replace he speed sensors. Once I replaced them, I then looked at ET and watched to see if the drive motors had a matched RPM. They were still roughly 1500 RPM difference. I set it up so that Ron and I could use the photo tach on the finals, and found that there was no increase in speed when it was shifted to Hi-Speed. We decided to swap the solenoids and in the process had to remove the valve body to do so. 2
- 10/20/2025 Colton L Webb 10/20/25 - Once I got the solenoids swapped in the valve body I then installed it back into the machine and ran it, I did not find any change on the drive side or the implement so I ruled out the possibility it being the solenoid valve. Found that the right motor wasn't shifting into hi side and the left side was, but only for a few seconds. I went ahead and attempted to do a calibration of the pump and motor but it failed. I gathered all of my info and then called into Ziegler to make a TC ticket. After talking to them, they advised that I calibrate the joysticks and then try to calibrate the motors. I followed through with that, and both the joysticks and motors successfully calibrated with the tracks off. I installed the tracks back on and then calibrated the machine again. Got the machine down off of blocks and then took it outside to test drive. The machine would drive straight until you shifted to hi-side, and it would then veer to the left. I would stop and then take off again, and it would then drive straight while still in high side. If I was driving in hi-side and shifted to low, it would then veer to the right and if I stopped and took back off again, it would then drive straight.
- 10/20/2025 John J. Lauber 10/17 - Installed drive motors. Installed tracks. Tried to calibrate, calibration failed.
- 10/20/2025 Ronnie L Kelso 10/18/25 Worked with Colton to diagnose the two speed function. Set up the photo tach. took recordings of speeds. The speed for turtle was 103 rpm for both sides when rabbit was engaged the left side sped up to 107 rpm for about a second then would drop back down the right side never changed. Suspect there is an issue with the two speed solenoid.
- 10/18/2025 Colton L Webb 10/17/25 - helped John install the motors back onto the machine, and then the tracks. We then attempted to calibrate the drive motors but it wouldn't take the calibration due to not seeing the correct speed on the right side motor.
- 10/14/2025 Colton L Webb 10/14/25 - Brought the machine in so that I could remove the drive motors. I placed the machine up on blocks, and then detensioned the tracks. Removed the tracks and then began to disconnect the hydraulic hoses. I removed the sprockets, and then unbolted the motors and removed them. I washed the motors off, removed the adaptor fittings, capped the openings and then tagged them.
- 10/6/2025 Michael G Laymance Drove to job and ran unit around left final is driving faster than right side. Set unit on blocks and tried calibrating but left side failed twice.
- 10/3/2025 Kyle R. Gerke 10-1-25 Went to ziegler and grabbed parts. Released track tension and pulled track up out of the way. Unbolted cab and raised it up. Removed all hoses for right drive motor. Installed all new hoses and out unit back together. Topped off hydraulic oil and test ran unit no leaks.
- 10/3/2025 Kyle R. Gerke 9-30-25 Drove over to job and found unit is covered in oil. Started unit and found leak right away coming from right side drive motor hoses. Checked all hoses had wear on them so ordered all hoses for that side.

Maintenance Work Order

Work Order: 87836
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 9/29/2025

Mechanic Name	Schedule Date	Work Complete?
Michael G Laymance	9/22/2025	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 25-B288	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 4261 on 9/29/2025 by Williams, Trevor L.
 Odometer: on by
 Last Hour Service (Lifetime): 4113 (4113) on 8/19/2025
 Last Odometer Service (Lifetime): on

Problem Description: Rotate cutting edge.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Rotate	23 - Cutting Edge / Teeth:Cutting Edge		1.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN002077960, Item Description: Locknut, Screw, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 87836
Priority: Normal
Due Date:

Notes:

9/23/2025 Michael G Laymance Drove to job and rotated cutting edge.

Maintenance Work Order

Work Order: 87449
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 9/8/2025

Mechanic Name	Schedule Date	Work Complete?
Chase A. Rose	9/2/2025	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 25-N123	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 4158 on 9/7/2025 by Williams, Trevor L.
 Odometer: on by
 Last Hour Service (Lifetime): 4113 (4113) on 8/19/2025
 Last Odometer Service (Lifetime): on

Problem Description: Diagnose air filter restriction code. Blow out engine air filters.

Labor Items:

Work Code	Item Code	ST	OT	DT
Clean	11 - Engine:Air Filter		1.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used
----------	------	-----	----------

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
------	---------	-------------	----------------

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
----------	-------------	-----------	-------	----------

Notes:

9/8/2025 Chase A. Rose 9/2/25 - Unit threw code for air filter restriction. Drove to unit and blew out engine air filters and verified code went away.

Maintenance Work Order

Work Order: 87125
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 8/25/2025

Mechanic Name	Schedule Date	Work Complete?
Chase A. Rose	8/21/2025	<input checked="" type="checkbox"/>
Michael G Laymance	8/19/2025	<input checked="" type="checkbox"/>

Equipment ID:	31-100	Description:	Cat 299D3 Compact Track Loader
Work Order Job:	24-N118	VIN #	
Current Job:	25-C265	Serial #	DY901700
Current Location:	25-C265	License Plate #	
Equipment Foreman:		Make:	Cat
Work Order Foreman:		Model:	299D3
		Carrier Name:	

Meter Reading: Hours: 4121 on 8/23/2025 by Kuhse, Kraig L.
 Odometer: on by
 Last Hour Service (Lifetime): 4113 (4113) on 8/19/2025
 Last Odometer Service (Lifetime): on

Problem Description: Engine sensor voltage below norm, bad engine harness. Ziegler to repair. Replace damaged hydraulic hoses.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Diagnose	11 - Engine:Engine Gauge, Sensor, Sender, Wiring		3.00	0.00	0.00
Diagnose	14 - Hydraulic System:Hydraulic Fittings / Lines		0.50	0.00	0.00
Parts Delivery or Pickup	14 - Hydraulic System:Hydraulic Fittings / Lines		1.00	0.00	0.00
Replace	14 - Hydraulic System:Hydraulic Fittings / Lines		2.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: SI000696507, Item Description: Replace engine wiring harness, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN002034589, Item Description: Hose bulk, hose as,coupling as, Vendor Name: Ziegler, Inc.	\$0.00

Maintenance Work Order

Work Order: 87125
Priority: Normal
Due Date:

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

8/22/2025	Chase A. Rose	8/21/25 - Was notified the unit sprung a hydraulic leak. Drove to job site and lifted up cab and located a blown hose and a pretty worn threw hose as well. Ordered parts, drove to ziegler and drove back to job site. Replaced both damaged hoses and topped off hydraulic oil and secured cab. Test ran unit for 20 minutes and verified functions were working properly with no leaks.			
8/21/2025	Michael G Laymance	Drove to job and tried moving machine but codes have it locked out. Checked powers and ground at crank and cam sensors it was good. Its throwing 723-2 and 3510-4 for sensor low voltage. Needs further diag.			
8/21/2025	Michael G Laymance	Drove to job and tried moving machine but codes have it locked out. Checked powers and ground at crank and cam sensors it was good. Its throwing 723-2 and 3510-4 for sensor low voltage. Needs further diag.			

Maintenance Work Order

Work Order: 85104
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 7/8/2025

Mechanic Name	Schedule Date	Work Complete?
Justin R Wicker	5/14/2025	<input checked="" type="checkbox"/>
Chase A. Rose	7/2/2025	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 25-N127	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 4040 on 7/2/2025 by Lewis, Jeff
 Odometer: on by
 Last Hour Service (Lifetime): 3861 (3861) on 12/6/2024
 Last Odometer Service (Lifetime): on

Problem Description: Quick tach pins seized. Replace cab door weather seal.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Parts Delivery or Pickup	27 - Cab / Body:Glass		1.00	0.00	0.00
Repair	25 - Attachments:Quick Attach for Bucket / Attachment		1.00	0.00	0.00
Reseal	27 - Cab / Body:Glass		0.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN001978637, Item Description: Seal bk, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
----------	-------------	-----------	-------	----------

Maintenance Work Order

Work Order: 85104
Priority: Normal
Due Date:

Notes:

7/2/2025	Chase A. Rose	7/2/25 - Drove to Ziegler and picked up new cab door seal. Drove to job site and replaced the cab door seal.
5/18/2025	Justin R Wicker	5-18-25 Tried to lube up pins and get them working back and forth but they were seized. Had to disassemble the latches at cylinder and disassemble pins at mounting plate. Removed pins by heating and beating them out and then cleaning bore and pins. Assembled with grease and reassembled all parts. Greased pins while moving them. Checked for proper operation.

Maintenance Work Order

Work Order: 85711
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 7/1/2025

Mechanic Name	Schedule Date	Work Complete?
Tanner J. Rose	6/13/2025	<input checked="" type="checkbox"/>

Equipment ID: 31-100 Description: Cat 299D3 Compact Track Loader
Work Order Job: 24-S121 VIN #
Current Job: 25-C265 Serial # DY901700
Current Location: 25-C265 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 299D3
Carrier Name:

Meter Reading: Hours: 4028 on 6/30/2025 by Lewis, Jeff
Odometer: on by
Last Hour Service (Lifetime): 3861 (3861) on 12/6/2024
Last Odometer Service (Lifetime): on

Problem Description: Replace PL243 for vision link

Labor Items:

Work Code	Item Code	ST	OT	DT	
-----------	-----------	----	----	----	--

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

Maintenance Work Order

Work Order: 83541
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 4/15/2025

Mechanic Name	Schedule Date	Work Complete?
Michael G Laymance	3/11/2025	<input checked="" type="checkbox"/>
Wade J. Smith	3/14/2025	<input checked="" type="checkbox"/>

Equipment ID:	31-100	Description:	Cat 299D3 Compact Track Loader
Work Order Job:	24-U176	VIN #	
Current Job:	25-C265	Serial #	DY901700
Current Location:	25-C265	License Plate #	
Equipment Foreman:		Make:	Cat
Work Order Foreman:		Model:	299D3
		Carrier Name:	

Meter Reading: Hours: 3918 on 3/21/2025 by Williams, Trevor L.
 Odometer: on by
 Last Hour Service (Lifetime): 3861 (3861) on 12/6/2024
 Last Odometer Service (Lifetime): on

Problem Description: Quick attach loose on bucket. Engine oil leak. Hard surface 84" bucket.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Hardsurface	25 - Attachments:Bucket		2.00	0.00	0.00
Parts Delivery or Pickup	11 - Engine:Engine Gauge, Sensor, Sender, Wiring		0.50	0.00	0.00
Repair	25 - Attachments:Quick Attach for Bucket / Attachment		4.50	0.00	0.00
Replace	11 - Engine:Engine Gauge, Sensor, Sender, Wiring		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: 033125MikeLA, Item Description: O'Ring, Vendor Name: Capital One Services	\$0.00

Maintenance Work Order

Work Order: 83541
Priority: Normal
Due Date:

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

3/14/2025	Wade J. Smith	Brought machine in to look at bucket issue. Found the tooth bucket pin pockets to be packed full of debris and not allowing the quick attach pins to engage as they should. This was the cause of the bucket falling off. The buckets are loose as per normal for the hours on the machine. Since it has been brought in, will go ahead and build up with weld to tighten up fit. >>>Keep quick attach pin pockets clear of debris. Hard surface 84" bucket as the hard surface weld is wore out. Park machine on ready line.			
3/11/2025	Michael G Laymance	Welded the top of the quick attach and tested it and it was still loose. Welded another bead on top and it tightened up a little bit more. Also looked at locking pins they seem to be pretty warn as well and possiby need replaced. Noticed oil leak and cleaned it off and ran it. Found crank sensor leaking oil. Went to Napa and matched up o-ring. Reinstalled sensor and ran unit for leaks none found.			

Maintenance Work Order

Work Order: 83446
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 3/4/2025

Mechanic Name	Schedule Date	Work Complete?
Justin R Wicker	3/3/2025	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 24-B280	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 3892 on 3/4/2025 by Williams, Trevor L.
 Odometer: on by
 Last Hour Service (Lifetime): 3861 (3861) on 12/6/2024
 Last Odometer Service (Lifetime): on

Problem Description: Install rotary beacon.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Install	13 - Lighting / Charging / Starting System:Strobe Light		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 83446
Priority: Normal
Due Date:

Notes:

- | | | |
|----------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 3/3/2025 | Justin R Wicker | Had to look through truck to find strobe light. Found light and had to wire on correct end. Installed light and checked for proper operation. |
| 3/3/2025 | Justin R Wicker | Had to look through truck to find strobe light. Found light and had to wire on correct end. Installed light and checked for proper operation. |

Maintenance Work Order

Work Order: 83209
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 2/24/2025

Mechanic Name	Schedule Date	Work Complete?
Tanner J. Rose	1/30/2025	<input checked="" type="checkbox"/>
Chase A. Rose	2/11/2025	<input checked="" type="checkbox"/>
Wade J. Smith	2/12/2025	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 24-B280	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 3877 on 1/14/2025 by Kuhse, Kraig L.
 Odometer: on by
 Last Hour Service (Lifetime): 3861 (3861) on 12/6/2024
 Last Odometer Service (Lifetime): on

Problem Description: Repair inspection. Replace hydraulic tank. Calibrate. Replace multiple hydraulic lines while tank is removed. Replace teeth on tooth bucket, LH side tooth broken. Repair cracks in track roller frames.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Diagnose	14 - Hydraulic System:Hydraulic Fittings / Lines		2.00	0.00	0.00
Inspect	10 - Inspection / Cleaning:Repair Inspection		4.00	0.00	0.00
Repair	17 - Undercarriage:Track Frame		31.25	0.00	0.00
Replace	14 - Hydraulic System:Hydraulic Fittings / Lines		6.00	0.00	0.00
Replace	14 - Hydraulic System:Hydraulic Tank		17.75	0.00	0.00
Replace	23 - Cutting Edge / Teeth:Teeth, Pins and Retainers		4.00	0.00	0.00
Reseal	12 - Transmission / Power Train:Hydrostatic Fittings / Lines		2.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Maintenance Work Order

Work Order: 83209
Priority: Normal
Due Date:

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN001808093, Item Description: Bearing sleeve, spacer,adapter, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN001792401, Item Description: Spacer, washer, mount as, bolt, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN001803135, Item Description: Tooth, screw, locknut, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN001792352, Item Description: Harness as, antenna as, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN001808171, Item Description: Seal o ring, seal, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN001792482, Item Description: Hose as, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: CM000254472D, Item Description: CR breather, seal, clamp, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN001792385, Item Description: Valve gp, clamp, hose as, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
----------	-------------	-----------	-------	----------

Maintenance Work Order

Work Order: 83209
Priority: Normal
Due Date:

Notes:

2/17/2025	Tanner J. Rose	2/13/2025 - Work on hooking up track roller frames. Grease entire machine. Install tracks. Run machine and check for leaks. Install buckets and park out in the ready line.
2/13/2025	Chase A. Rose	2/13/25 - Hooked up travel motor hoses. Installed tracks and adjusted. Filled hydraulic tank. Replaced all teeth and hardware on tooth bucket. Moved to west lot and green tagged.
2/13/2025	Chase A. Rose	2/12/25 - Organized bay in order to work on machine. Cleaned pivot shafts and started removing bushings.
2/12/2025	Wade J. Smith	Repair pivot shaft pin bores, inside on both track frames. Welds cracked around pin bores.
2/11/2025	Chase A. Rose	2/11/25 - Helped tanner remove tracks.
2/11/2025	Tanner J. Rose	2/10/2025 - Run machine around and check for leaks. Install belly pans. Put tag on machine. Check fluid levels.
2/7/2025	Tanner J. Rose	2/6/2025 - Finish installing hydraulic tank. Run machine and check for leaks. Move to berm to be washed.
2/6/2025	Tanner J. Rose	2/5/2025 - Clean up under machine. Organize parts. Install zip ties and secure hoses/wires.
2/5/2025	Tanner J. Rose	2/4/2025 - Install new suction hose. Tighten up hoses. Check for leaks. Clean up under machine. Found cracks on roller frames where pivot shafts mount.
2/4/2025	Tanner J. Rose	2/3/2025 - Removed hydraulic tank. Transferred over sensors and fittings to new tank. Cleaned out belly of skidloader in order to install tank. Found multiple lines rubbed through and decided to replace at this time. Installed tank. Hooked up hydraulic lines.
2/3/2025	Tanner J. Rose	1/31/2025 - Removed hydraulic tank to be replaced. Ordered seals and parts.
1/31/2025	Tanner J. Rose	1/30/2025 - Warm machine up outside. Check buckets for wear and cracks. Move inside and get up on stands to remove belly pans. Found that there was a hydraulic leak and it seemed to be coming from the tank. Cleaned up area. Found the leak to be the tank itself. Ordered parts.

Maintenance Work Order

Work Order: 82554
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 12/12/2024

Mechanic Name	Schedule Date	Work Complete?
Michael G Laymance	12/2/2024	<input checked="" type="checkbox"/>
Kyle R. Gerke	12/6/2024	<input checked="" type="checkbox"/>

Equipment ID:	31-100	Description:	Cat 299D3 Compact Track Loader
Work Order Job:	24-B280	VIN #	
Current Job:	25-C265	Serial #	DY901700
Current Location:	25-C265	License Plate #	
Equipment Foreman:		Make:	Cat
Work Order Foreman:		Model:	299D3
		Carrier Name:	

Meter Reading: Hours: 3867 on 12/11/2024 by Kuhse, Kraig L.
 Odometer: on by
 Last Hour Service (Lifetime): 3861 (3861) on 12/6/2024
 Last Odometer Service (Lifetime): on

Problem Description: Aux hydraulics not working. Replace wiper blade. 5volt supply sensor voltage low.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Diagnose	11 - Engine:Engine Gauge, Sensor, Sender, Wiring		3.50	0.00	0.00
Repair	11 - Engine:Engine Gauge, Sensor, Sender, Wiring		1.00	0.00	0.00
Repair	14 - Hydraulic System:Hydraulic Lockout Switch, Solenoid, Wiring		2.00	0.00	0.00
Replace	13 - Lighting / Charging / Starting System:Batteries		1.00	0.00	0.00
Replace	27 - Cab / Body:Windshield Wiper		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Maintenance Work Order

Work Order: 82554
Priority: Normal
Due Date:

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN001728841, Item Description: Blade as, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN001735173, Item Description: Battery, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN001736583, Item Description: Sensor as, harness as, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
----------	-------------	-----------	-------	----------

Notes:

12/11/2024	Kyle R. Gerke	12-9-24 Drove up to job. Removed belt cover. Cut harness bad section out and wired new ends on it. Replaced cam sensor and crank sensor. Started unit up and everything worked correctly. Removed and replaced battery. Charging at 14.3 volts.		
12/8/2024	Kyle R. Gerke	12-6-24 Unit is showing codes 3510-4 Sensor supply voltage 2 voltage below normal and 723-2 engine speed sensor 2 data erratic, intermittent or incorrect. Checked all wiring on engine see if something got wet. Checked schematic and found the cam sensor wire at connector was rubbed threw. Did not have correct connector to repair at this time. Looked up parts and got them ordered.		
12/6/2024	Michael G Laymance	Cleaned window and replaced wiper blade.		
12/2/2024	Michael G Laymance	Drove to job and found fuse blown. Replaced fuse and hooked up broom and ran it for 10 min no issues.		

Maintenance Work Order

Work Order: 82336
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 12/9/2024

Mechanic Name	Schedule Date	Work Complete?
Timothy M. Kirkman	11/18/2024	<input checked="" type="checkbox"/>
Christopher J. Murano	11/18/2024	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 24-H136	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 3861 on 12/6/2024 by Christopher J. Murano

Odometer: on by
 Last Hour Service (Lifetime): 3861 (3861) on 12/6/2024
 Last Odometer Service (Lifetime): on

Problem Description: PM1/250hr.

Labor Items:

Work Code	Item Code	ST	OT	DT
Perform	26 - PM / Service:PM's Hours:PM1/250		8.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used
----------	------	-----	----------

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
------	---------	-------------	----------------

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
----------	-------------	-----------	-------	----------

Maintenance Work Order

Work Order: 82336
Priority: Normal
Due Date:

Notes:

12/6/2024 Christopher J. Murano One outer teeth has a broken tip on the tooth.

Maintenance Work Order

Work Order: 82159
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 11/11/2024

Mechanic Name	Schedule Date	Work Complete?
Michael G Laymance	11/7/2024	<input checked="" type="checkbox"/>

Equipment ID: 31-100 Description: Cat 299D3 Compact Track Loader
Work Order Job: 24-H136 VIN #
Current Job: 25-C265 Serial # DY901700
Current Location: 25-C265 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 299D3
Carrier Name:

Meter Reading: Hours: 3762 on 11/8/2024 by Kuhse, Kraig L.
Odometer: on by
Last Hour Service (Lifetime): 3563 (3563) on 9/19/2024
Last Odometer Service (Lifetime): on

Problem Description: Field inspection.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Inspect	10 - Inspection / Cleaning:Field Inspection		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

11/8/2024 Michael G Laymance Looked over unit for needed repairs. Blew out air filters.

Maintenance Work Order

Work Order: 81857
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 10/29/2024

Mechanic Name	Schedule Date	Work Complete?
Michael G Laymance	10/25/2024	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 24-H136	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 3723 on 10/28/2024 by Kuhse, Kraig L.
 Odometer: on by
 Last Hour Service (Lifetime): 3563 (3563) on 9/19/2024
 Last Odometer Service (Lifetime): on

Problem Description: Replace air filters

Labor Items:

Work Code	Item Code	ST	OT	DT	
Replace	11 - Engine:Air Filter		0.50	0.00	0.00
Replace	28 - Air Conditioning / Heating System:Cab Air Filter		0.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 81857
Priority: Normal
Due Date:

Notes:

10/25/2024 Michael G Laymance Drove to job and replaced all air filters.

Maintenance Work Order

Work Order: 81344
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 10/7/2024

Mechanic Name	Schedule Date	Work Complete?
Michael G Laymance	10/1/2024	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 24-H136	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 3634 on 10/4/2024 by Kuhse, Kraig L.
 Odometer: on by
 Last Hour Service (Lifetime): 3563 (3563) on 9/19/2024
 Last Odometer Service (Lifetime): on

Problem Description: Wiper motor inop. Replace cutting edge.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Repair	27 - Cab / Body:Wiper Motor, Switch, and Wiring		1.50	0.00	0.00
Replace	23 - Cutting Edge / Teeth:Cutting Edge		1.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used
----------	------	-----	----------

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN001654459, Item Description: Screw/ cutting edge/ locknut, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
----------	-------------	-----------	-------	----------

Maintenance Work Order

Work Order: 81344
Priority: Normal
Due Date:

Notes:

10/1/2024 Michael G Laymance Drove to job and found skid. looked over harness to wiper motor and found it broke in 2 places. Repaired harness and replaced cutting edge. Ordered cutting edge and bolts back to truck.

Maintenance Work Order

Work Order: 81003
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 9/24/2024

Mechanic Name	Schedule Date	Work Complete?
John M. Pohlman	9/16/2024	<input checked="" type="checkbox"/>

Equipment ID: 31-100 Description: Cat 299D3 Compact Track Loader
Work Order Job: 24-H136 VIN #
Current Job: 25-C265 Serial # DY901700
Current Location: 25-C265 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 299D3
Carrier Name:

Meter Reading: Hours: 3563 on 9/19/2024 by John M. Pohlman
Odometer: on by
Last Hour Service (Lifetime): 3563 (3563) on 9/19/2024
Last Odometer Service (Lifetime): on

Problem Description: PM2/500

Labor Items:

Work Code	Item Code	ST	OT	DT	
Perform	26 - PM / Service:PM's Hours:PM2/500		4.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

9/19/2024 John M. Pohlman Done and washed in Dawson.

Maintenance Work Order

Work Order: 80288
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 8/12/2024

Mechanic Name	Schedule Date	Work Complete?
John J. Lauber	8/6/2024	<input checked="" type="checkbox"/>
Michael G Laymance	8/8/2024	<input checked="" type="checkbox"/>
Chase A. Rose	8/9/2024	<input checked="" type="checkbox"/>

Equipment ID:	31-100	Description:	Cat 299D3 Compact Track Loader
Work Order Job:	24-M111	VIN #	
Current Job:	25-C265	Serial #	DY901700
Current Location:	25-C265	License Plate #	
Equipment Foreman:		Make:	Cat
Work Order Foreman:		Model:	299D3
		Carrier Name:	

Meter Reading: Hours: 3464 on 8/7/2024 by Kuhse, Kraig L.
 Odometer: on by
 Last Hour Service (Lifetime): 3314 (3314) on 6/5/2024
 Last Odometer Service (Lifetime): on

Problem Description: Left track rolled off. Replace tracks and sprockets.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Adjust	17 - Undercarriage:Rubber Track		3.50	0.00	0.00
Perform	10 - Inspection / Cleaning:Steam Cleaning		1.00	0.00	0.00
Replace	17 - Undercarriage:Rubber Track		3.00	0.00	0.00
Replace	17 - Undercarriage:Segments		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: 1400150114, Item Description: Block Pattern, Vendor Name: Pomp's Tire Service, Inc.	\$0.00
Parts		Invoice #: IN001585018, Item Description: Sprocket Trk, Washer, Bolt, Vendor Name: Ziegler, Inc.	\$0.00

Maintenance Work Order

Work Order: 80288
Priority: Normal
Due Date:

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

8/9/2024	Chase A. Rose	8/9/24 - Moved unit into shop and set machine up on stands. Removed tracks, replaced both sprocket segments, installed new tracks. Moved unit to wash bay and washed. Moved unit back into shop and adjusted tracks after running it around. Parked unit in west lot. Cleaned up bay.			
8/8/2024	Michael G Laymance	Reinstalled right track.			
8/6/2024	John J. Lauber	Reinstalled left track.			

Maintenance Work Order

Work Order: 80269
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 8/6/2024

Mechanic Name	Schedule Date	Work Complete?
Michael G Laymance	8/3/2024	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 24-H136	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 3442 on 8/2/2024 by Kuhse, Kraig L.
 Odometer: on by
 Last Hour Service (Lifetime): 3314 (3314) on 6/5/2024
 Last Odometer Service (Lifetime): on

Problem Description: Cabin filters need replaced.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Parts Delivery or Pickup	28 - Air Conditioning / Heating System:Cab Air Filter		1.00	0.00	0.00
Replace	28 - Air Conditioning / Heating System:Cab Air Filter		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 80269
Priority: Normal
Due Date:

Notes:

8/5/2024 Michael G Laymance Went to shop and grabbed filters. Drove to job and replaced filters.

Maintenance Work Order

Work Order: 80028
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 7/29/2024

Mechanic Name	Schedule Date	Work Complete?
Michael G Laymance	7/22/2024	<input checked="" type="checkbox"/>

Equipment ID: 31-100 Description: Cat 299D3 Compact Track Loader
Work Order Job: 24-M111 VIN #
Current Job: 25-C265 Serial # DY901700
Current Location: 25-C265 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 299D3
Carrier Name:

Meter Reading: Hours: 3415 on 7/24/2024 by Kuhse, Kraig L.
Odometer: on by
Last Hour Service (Lifetime): 3314 (3314) on 6/5/2024
Last Odometer Service (Lifetime): on

Problem Description: Right track popped off.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Repair	17 - Undercarriage:Rubber Track		2.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

7/23/2024 Michael G Laymance Drove to job and reinstalled track. Checked left track.

Maintenance Work Order

Work Order: 79844
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 7/22/2024

Mechanic Name	Schedule Date	Work Complete?
Kyle R. Gerke	7/12/2024	<input checked="" type="checkbox"/>
John J. Lauber	7/16/2024	<input checked="" type="checkbox"/>
Michael G Laymance	7/16/2024	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 24-H136	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 3383 on 7/20/2024 by Kuhse, Kraig L.
 Odometer: on by
 Last Hour Service (Lifetime): 3314 (3314) on 6/5/2024
 Last Odometer Service (Lifetime): on

Problem Description: Missing bucket tooth. Bucket teeth need replace.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Replace	23 - Cutting Edge / Teeth:Teeth, Pins and Retainers		3.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN001554873, Item Description: Tooth-Uni, Locknut, Screw-Flat, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	

Maintenance Work Order

Work Order: 79844
Priority: Normal
Due Date:

Notes:

7/17/2024	Michael G Laymance	Helped John replace bucket teeth.
7/16/2024	John J. Lauber	Picked up teeth from Ziegler. Replaced bucket teeth.
7/14/2024	Kyle R. Gerke	7-12-24 Installed missing bucket tooth on bucket but is way longer then others. Bucket needs all teeth replaced. Looked teeth up and got them ordered.

Maintenance Work Order

Work Order: 79189
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 6/11/2024

Mechanic Name	Schedule Date	Work Complete?
Michael G Laymance	6/6/2024	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 24-H136	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 3324 on 6/10/2024 by Kuhse, Kraig L.
 Odometer: on by
 Last Hour Service (Lifetime): 3314 (3314) on 6/5/2024
 Last Odometer Service (Lifetime): on

Problem Description: A/C inop.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Diagnose	28 - Air Conditioning / Heating System:Low / High Side Hose		1.50	0.00	0.00
Parts Delivery or Pickup	28 - Air Conditioning / Heating System:Low / High Side Hose		2.00	0.00	0.00
Replace	28 - Air Conditioning / Heating System:Low / High Side Hose		2.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN001512624, Item Description: Hose As, Seal Oring, Vendor Name: Ziegler, Inc.	\$0.00

Maintenance Work Order

Work Order: 79189
Priority: Normal
Due Date:

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

- | | | | | | |
|----------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| 6/7/2024 | Michael G Laymance | Replaced a/c line from condensor to bulk head. Put system in a vacuum and charged system to 1.8LBS. | | | |
| 6/7/2024 | Michael G Laymance | 6-6-2024
Went to Ziegler and picked up parts. | | | |
| 6/6/2024 | Michael G Laymance | Drove to job and hooked up gauges and found no freon in system. Charged system with nitrogen and found a/c line from condensor to evaporator had a hole. Looked up parts and ordered. | | | |

Maintenance Work Order

Work Order: 79096
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 6/11/2024

Mechanic Name	Schedule Date	Work Complete?
Ezequiel "Zeke" Banuelos Garcia	6/1/2024	<input checked="" type="checkbox"/>
John M. Pohlman	6/1/2024	<input checked="" type="checkbox"/>

Equipment ID: 31-100 Description: Cat 299D3 Compact Track Loader
Work Order Job: 24-H136 VIN #
Current Job: 25-C265 Serial # DY901700
Current Location: 25-C265 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 299D3
Carrier Name:

Meter Reading: Hours: 3314 on 6/5/2024 by John M. Pohlman
Odometer: on by
Last Hour Service (Lifetime): 3314 (3314) on 6/5/2024
Last Odometer Service (Lifetime): on

Problem Description: PM1/250hr.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Perform	26 - PM / Service:PM's Hours:PM1/250		6.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

6/5/2024 John M. Pohlman Done and washed in Dawson.

Maintenance Work Order

Work Order: 79002
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 6/3/2024

Mechanic Name	Schedule Date	Work Complete?
Michael G Laymance	5/29/2024	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 24-H136	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 3287 on 5/31/2024 by Kuhse, Kraig L.
 Odometer: on by
 Last Hour Service (Lifetime): 3056 (3056) on 3/7/2024
 Last Odometer Service (Lifetime): on

Problem Description: Rotate cutting edge.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Rotate	23 - Cutting Edge / Teeth:Cutting Edge		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN001500865, Item Description: Locknut, Screw, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	

Maintenance Work Order

Work Order: 79002
Priority: Normal
Due Date:

Notes:

5/29/2024 Michael G Laymance Cut bolts off cutting and rotated edge and reinstalled with new bolts. Ordered stock bolts.

Maintenance Work Order

Work Order: 78842
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 5/20/2024

Mechanic Name	Schedule Date	Work Complete?
Michael G Laymance	5/15/2024	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 24-H136	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 3255 on 5/18/2024 by Kuhse, Kraig L.
 Odometer: on by
 Last Hour Service (Lifetime): 3056 (3056) on 3/7/2024
 Last Odometer Service (Lifetime): on

Problem Description: Rear view mirror broken.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Parts Delivery or Pickup	27 - Cab / Body:Mirrors		1.00	0.00	0.00
Replace	27 - Cab / Body:Mirrors		0.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN001489792, Item Description: Mirror As, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	

Maintenance Work Order

Work Order: 78842
Priority: Normal
Due Date:

Notes:

- 5/16/2024 Michael G Laymance Picked up parts from Ziegler. Removed old mirror and installed new.
- 5/15/2024 Michael G Laymance Ordered rear view mirror.

Maintenance Work Order

Work Order: 77717
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 4/16/2024

Mechanic Name	Schedule Date	Work Complete?
Ezequiel "Zeke" Banuelos Garcia	3/5/2024	<input checked="" type="checkbox"/>
Timothy M. Kirkman	3/5/2024	<input checked="" type="checkbox"/>
Christopher J. Murano	3/6/2024	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 23-B258	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 3056 on 3/7/2024 by Christopher J. Murano

Odometer: on by

Last Hour Service (Lifetime): 3056 (3056) on 3/7/2024

Last Odometer Service (Lifetime): on

Problem Description: PM3/1000hr.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Perform	26 - PM / Service:PM's Hours:PM3/1,000		7.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used
----------	------	-----	----------

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
------	---------	-------------	----------------

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
----------	-------------	-----------	-------	----------

Maintenance Work Order

Work Order: 77717
Priority: Normal
Due Date:

Notes:

3/7/2024 Christopher J. Murano Done

Maintenance Work Order

Work Order: 77915
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 3/25/2024

Mechanic Name	Schedule Date	Work Complete?
Kyle R. Gerke	3/20/2024	<input checked="" type="checkbox"/>

Equipment ID: 31-100 Description: Cat 299D3 Compact Track Loader
Work Order Job: 23-B258 VIN #
Current Job: 25-C265 Serial # DY901700
Current Location: 25-C265 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 299D3
Carrier Name:

Meter Reading: Hours: 3083 on 3/25/2024 by Williams, Trevor L.
Odometer: on by
Last Hour Service (Lifetime): 3056 (3056) on 3/7/2024
Last Odometer Service (Lifetime): on

Problem Description: Right track came off.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Repair	17 - Undercarriage:Rubber Track		2.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

3/21/2024 Kyle R. Gerke Unit rolled track off to inside on a hill. Release track tension and tried to walked it on did not go. Had to get block out to get it up and walk track back on. Tightened track up and checked left side was good. Put unit back together.

Maintenance Work Order

Work Order: 77662
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 3/4/2024

Mechanic Name	Schedule Date	Work Complete?
Michael G Laymance	2/26/2024	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 23-B258	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 3045 on 2/29/2024 by Williams, Trevor L.
 Odometer: on by
 Last Hour Service (Lifetime): 2817 (2817) on 5/15/2023
 Last Odometer Service (Lifetime): on

Problem Description: Left track came off.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Repair	17 - Undercarriage:Rubber Track		2.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 77662
Priority: Normal
Due Date:

Notes:

2/28/2024 Michael G Laymance 2-27-24
Drove to job and de tensioned track. Lifted skid and fought getting track back on. Tightened both tracks and set skid back down.

Maintenance Work Order

Work Order: 74668
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 11/7/2023

Mechanic Name	Schedule Date	Work Complete?
		■

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 23-S541	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 2870 on 11/2/2023 by Panduro, Cesar M
 Odometer: on by
 Last Hour Service (Lifetime): 2817 (2817) on 5/15/2023
 Last Odometer Service (Lifetime): on

Problem Description: Intermittent speed sensor faults. Sent to Ziegler for repair.

Labor Items:

Work Code	Item Code	ST	OT	DT

Parts List:

Part Num	Name	UOM	Qty Used

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: SI000418217, Item Description: Replace Hy Propel/Dr Motor, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: SI000452799, Item Description: Replace Wiring Harness Lower, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used

Maintenance Work Order

Work Order: 74668
Priority: Normal
Due Date:

Notes:

Maintenance Work Order

Work Order: 71893
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 7/7/2023

Mechanic Name	Schedule Date	Work Complete?
John M. Pohlman	5/18/2023	<input checked="" type="checkbox"/>
Tanner J. Rose	5/31/2023	<input checked="" type="checkbox"/>
John J. Lauber	6/3/2023	<input checked="" type="checkbox"/>
Chase A. Rose	6/6/2023	<input checked="" type="checkbox"/>
Taylor J. Anderson	6/7/2023	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 23-H125	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 2843 on 6/27/2023 by Lewis, Jeff
 Odometer: on by
 Last Hour Service (Lifetime): 2817 (2817) on 5/15/2023
 Last Odometer Service (Lifetime): on

Problem Description: Replace cab door seal. Look into A/C system not blowing cold. Intermittent drive motor speed sensor faults, putting machine in park.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Diagnose	28 - Air Conditioning / Heating System		3.00	0.00	0.00
Repair	28 - Air Conditioning / Heating System		8.50	0.00	0.00
Replace	28 - Air Conditioning / Heating System:Accumulator / Dryer		6.00	0.00	0.00
Replace	28 - Air Conditioning / Heating System:Clutch / Compressor		2.00	0.00	0.00
Reseal	27 - Cab / Body:Door Latch / Lock		1.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Maintenance Work Order

Work Order: 71893
Priority: Normal
Due Date:

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN001033359, Item Description: Suppressor, Gasket, Thermostat, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN001042352, Item Description: Harness, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: CM000166139J, Item Description: Relay Asm, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN001037574, Item Description: Pins & Sockets, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN001047759, Item Description: Bolt, Clamp, Cover, Washer, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN001001544, Item Description: Unknown Part, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN001040629, Item Description: Orifice Tube, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
----------	-------------	-----------	-------	----------

Maintenance Work Order

Work Order: 71893
Priority: Normal
Due Date:

Notes:

6/19/2023	Taylor J. Anderson	6/17/2023- Finished removal of wiring harness and installed new harness. Started machine and verified operation of ac system. Found broken clamp left side of machine under loader frame, ordered parts.
6/19/2023	Taylor J. Anderson	6/15/2023- Started removal of a/c compressor wiring harness that runs along side of engine and through firewall.
6/12/2023	Taylor J. Anderson	6/7/2023- Worked on A/C system trying to diagnose why compressor is kicking in for less than a second and then back out. Compressor, both pressure switches the orifice tube and thermostat switch have all been replaced and system is not functioning correctly still. Need to look into it further.
6/6/2023	Chase A. Rose	6/6/23- Installed new cab air filters, cleaned out the heater core and the drain nipples, cleaned up the heater control valve.
6/5/2023	John J. Lauber	Replaced accumulator and orifice tube. Flushed system. Filled system. Compressor is quick cycling.
5/31/2023	Tanner J. Rose	5/31/2023 - Move machine inside and recover freon from machine. Recovered 1.463 lbs of freon. Replaced the A/C compressor. A/C machine was not cooperating and will need to be calibrated per Tay Tay. Cleaned up mess.
5/18/2023	John M. Pohlman	Replaced door seal, freon was low, ran vacuum and leak test and no leaks were found, recharged system to 1.8 pounds.

Maintenance Work Order

Work Order: 71656
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 5/24/2023

Mechanic Name	Schedule Date	Work Complete?
Chase A. Rose	5/3/2023	<input checked="" type="checkbox"/>
Christopher J. Murano	5/3/2023	<input checked="" type="checkbox"/>
John M. Pohlman	5/3/2023	<input checked="" type="checkbox"/>
Timothy M. Kirkman	5/3/2023	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 23-H125	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 2817 on 5/15/2023 by Timothy M. Kirkman
 Odometer: on by
 Last Hour Service (Lifetime): 2817 (2817) on 5/15/2023
 Last Odometer Service (Lifetime): on

Problem Description: PM1/250hr.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Perform	26 - PM / Service:PM's Hours:PM1/250		6.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 71656
Priority: Normal
Due Date:

Notes:

5/15/2023 Timothy M. Kirkman Cab door needs a new door seal - Blown out at the top and you can see daylight. Machine is in here for repairs. Power washed radiator and engine bay .

Maintenance Work Order

Work Order: 71337
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 5/9/2023

Mechanic Name	Schedule Date	Work Complete?
Ryan J Baker	4/18/2023	<input checked="" type="checkbox"/>
John J. Lauber	4/27/2023	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 22-U155	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 2813 on 5/8/2023 by Williams, Trevor L.
 Odometer: on by
 Last Hour Service (Lifetime): 2579 (2579) on 1/6/2023
 Last Odometer Service (Lifetime): on

Problem Description: Repair park brake coming on. Inspect speed sensor system. Repair A/C

Labor Items:

Work Code	Item Code	ST	OT	DT	
Diagnose	12 - Transmission / Power Train:Hydrostatic Drive		10.00	0.00	0.00
Inspect	28 - Air Conditioning / Heating System		3.00	0.00	0.00
Parts Delivery or Pickup	13 - Lighting / Charging / Starting System:Cable, Terminals and Wiring		4.00	0.00	0.00
Parts Delivery or Pickup	28 - Air Conditioning / Heating System		3.00	0.00	0.00
Repair	12 - Transmission / Power Train:Power Train Gauge,Sensor, Sender, Wiring		1.00	0.00	0.00
Repair	13 - Lighting / Charging / Starting System:Cable, Terminals and Wiring		5.00	0.00	0.00
Repair	28 - Air Conditioning / Heating System		6.00	0.00	0.00

Maintenance Work Order

Work Order: 71337
Priority: Normal
Due Date:

Parts List:

Part Num	Name	UOM	Qty Used
----------	------	-----	----------

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN000988307, Item Description: Hose As, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN000974004, Item Description: Sensor As, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN000973770, Item Description: Harness As, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN000987811, Item Description: Hose As, Switch As, Seal Oring, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN000984255, Item Description: Sensor Speed, Harness As, Bolt, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
----------	-------------	-----------	-------	----------

Maintenance Work Order

Work Order: 71337
Priority: Normal
Due Date:

Notes:

- 5/5/2023 Ryan J Baker Picked up hose from Ziegler and drove to machine. While installing hose I found 2 cuts on the hose. Returned to Ziegler and had them make another hose. Returned to machine and installed. Placed vacuum on machine for 30 min and held for 15 min. Vacuum held at 24. Charged system to .81 Kg. Ran machine for 20 minutes and vents were blowing cold air. Temperature gauge said it cooled to 60 degrees but ambient was 69 degrees. Likely a failed thermometer but will check with crew once they run machine over the weekend.
- 5/5/2023 Ryan J Baker 5/4/2023 Vacuumed A/C system and it held vacuum. Charged A/C system and inspected for leaks. Found rear condenser hose blew when I opened rear compartment door. Ordered hose and o-rings.
- 5/3/2023 Ryan J Baker Checked machine due to continued codes. Hooked up ET and found codes for both sides of machine. Detached speed sensor harness from machine harness. Removed plug on rear firewall to gain access to other end of machine chassis harness. Checked machine harness and it checked out good. Checked jumper harness and compared side to side. Both measured the same. Reassembled machine and tested. No codes activated while operating machine. The A/C did not work. Tested machine and found compressor not kicking on. Inspected wiring and found multiple wires rubbed to the copper. Repaired all wires I found. Tested machine again and still did not work. Hooked up gauges and found no refrigerant in system.
- 4/28/2023 John J. Lauber Checked all wiring for the left speed sensor and the sensor, no issues found. Tied wiring up off the floor. reassembled machine. Ran machine.
- 4/26/2023 Ryan J Baker Inspected machine for additional speed sensor codes. Machine had both codes for both drive motors. Inspected speed sensor harnesses and chassis harness with no issues found. Checked further along 8V supply circuit and found right side tilt hose clamp inside of the loader arm missing. Likely to have damaged harness so I ordered a harness. Returned with harness and installed. Machine self-level would not calibrate. Found inclinometer sensor failed, ordered a new sensor and installed on machine. Calibrated successfully and returned to operator.
- 4/19/2023 Ryan J Baker 4/18/2023 Operator stated the park brake would come on while traveling. Inspected machine and found LH speed sensor harness rubbed on belly pan. Removed connector and cut wires back to good wiring. Installed new pins and reinstalled connector. Had operator test and the park brake did not come on anymore. Returned machine to service.

Maintenance Work Order

Work Order: 70723
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 4/6/2023

Mechanic Name	Schedule Date	Work Complete?
Mark E. McNaughton	3/16/2023	<input checked="" type="checkbox"/>
John M. Pohlman	4/2/2023	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 22-U155	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 2736 on 3/22/2023 by Kuhse, Kraig L.
 Odometer: on by
 Last Hour Service (Lifetime): 2579 (2579) on 1/6/2023
 Last Odometer Service (Lifetime): on

Problem Description: Repair inspection.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Inspect	10 - Inspection / Cleaning:Repair Inspection		3.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 70723
Priority: Normal
Due Date:

Notes:

- 4/3/2023 John M. Pohlman Put pans back on and tightened cab back down. parked in west lot ready line.
- 3/16/2023 Mark E. McNaughton Drop pans and loosen cab bolts look over for repairs.

Maintenance Work Order

Work Order: 70067
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 1/16/2023

Mechanic Name	Schedule Date	Work Complete?
Kyle R. Gerke	1/11/2023	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 22-C231	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 2629 on 1/16/2023 by Kraig L. Kuhse
 Odometer: on by
 Last Hour Service (Lifetime): 2579 (2579) on 1/6/2023
 Last Odometer Service (Lifetime): on

Problem Description: Cutting edge needs replaced.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Parts Delivery or Pickup	23 - Cutting Edge / Teeth:Cutting Edge		1.00	0.00	0.00
Replace	23 - Cutting Edge / Teeth:Cutting Edge		1.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
Parts		Invoice #: IN000840528, Item Description: Edge-Cutting, Locknut, Screw, Vendor Name: Ziegler, Inc.	\$0.00	

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 70067
Priority: Normal
Due Date:

Notes:

1/11/2023 Kyle R. Gerke Cut off bolts for cutting edge. Cleaned bucket edge and installed new edge with hardware. Ordered parts back to truck. Went and picked parts up.

Maintenance Work Order

Work Order: 69998
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 1/10/2023

Mechanic Name	Schedule Date	Work Complete?
Christopher J. Murano	1/5/2023	<input checked="" type="checkbox"/>
Timothy M. Kirkman	1/5/2023	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 22-C231	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 2579 on 1/6/2023 by Christopher J. Murano
 Odometer: on by
 Last Hour Service (Lifetime): 2579 (2579) on 1/6/2023
 Last Odometer Service (Lifetime): on

Problem Description: PM2/500hr. Add ELC extender and conditioner to cooling system.

Labor Items:

Work Code	Item Code	ST	OT	DT
Perform	26 - PM / Service:PM's Hours:PM2/500		8.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used
----------	------	-----	----------

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
------	---------	-------------	----------------

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
----------	-------------	-----------	-------	----------

Maintenance Work Order

Work Order: 69998
Priority: Normal
Due Date:

Notes:

1/6/2023 Christopher J. Murano Added coolant extender and conditioner in, replaced red marker light bulb. Washed machine.

Maintenance Work Order

Work Order: 69813
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 12/19/2022

Mechanic Name	Schedule Date	Work Complete?
Ryan J Baker	12/15/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 22-C231	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 2498 on 12/16/2022 by Kraig L. Kuhse
 Odometer: on by
 Last Hour Service (Lifetime): 2324 (2324) on 11/14/2022
 Last Odometer Service (Lifetime): on

Problem Description: Inspect fuel system for fuel leakage code

Labor Items:

Work Code	Item Code	ST	OT	DT	
Inspect	15 - Fuel System		2.00	0.00	0.00
Inspect	19 - Cooling System: Coolant Hoses and Clamps		2.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 69813
Priority: Normal
Due Date:

Notes:

12/15/2022 Ryan J Baker

Inspected fuel system for fuel leakage-most severe code. Found the gauge reading accurately but the float arm may be hung up on the bulge in the tank. Machine is waiting to be sent to Ziegler for fuel tank removal. Found a coolant leak on left side of engine. Inspected engine oil cooler and no leaks found. Looked at the coolant drain valve and found coolant leaking from the valve.

Maintenance Work Order

Work Order: 69333
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 11/21/2022

Mechanic Name	Schedule Date	Work Complete?
John J. Lauber	11/15/2022	<input checked="" type="checkbox"/>
Ryan J Baker	11/15/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-100 Description: Cat 299D3 Compact Track Loader
Work Order Job: 22-C231 VIN #
Current Job: 25-C265 Serial # DY901700
Current Location: 25-C265 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 299D3
Carrier Name:

Meter Reading: Hours: 2372 on 11/21/2022 by Kraig L. Kuhse
Odometer: on by
Last Hour Service (Lifetime): 2324 (2324) on 11/14/2022
Last Odometer Service (Lifetime): on

Problem Description: Replace struts on radiator cover.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Repair	27 - Cab / Body:Hood Cable, Hinge and Support		2.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
Parts		Invoice #: IN000774840, Item Description: Spring As-Ga, Vendor Name: Ziegler, Inc.	\$0.00	

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 69333
Priority: Normal
Due Date:

Notes:

11/15/2022 Ryan J Baker Replaced both struts on radiator guard

Maintenance Work Order

Work Order: 69253
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 11/15/2022

Mechanic Name	Schedule Date	Work Complete?
Christopher J. Murano	11/11/2022	<input checked="" type="checkbox"/>
Timothy M. Kirkman	11/11/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 22-C231	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 2324 on 11/14/2022 by Christopher J. Murano

Odometer: on by
 Last Hour Service (Lifetime): 2324 (2324) on 11/14/2022
 Last Odometer Service (Lifetime): on

Problem Description: PM1/250hr.

Labor Items:

Work Code	Item Code	ST	OT	DT
Perform	26 - PM / Service:PM's Hours:PM1/250		5.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used
----------	------	-----	----------

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
------	---------	-------------	----------------

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
----------	-------------	-----------	-------	----------

Maintenance Work Order

Work Order: 69253
Priority: Normal
Due Date:

Notes:

11/14/2022 Christopher J. Murano Both shocks for the radiator cover need replaced. Washed machine.

Maintenance Work Order

Work Order: 69066
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 11/7/2022

Mechanic Name	Schedule Date	Work Complete?
Ryan J Baker	11/1/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 22-Q177	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 2287 on 11/7/2022 by Kraig L. Kuhse
 Odometer: on by
 Last Hour Service (Lifetime): 2065 (2065) on 8/9/2022
 Last Odometer Service (Lifetime): on

Problem Description: Replace back-up alarm. Inspect fuel system.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Inspect	15 - Fuel System:Fuel Tank		1.00	0.00	0.00
Replace	12 - Transmission / Power Train:Backup Alarm / Travel Alarm		1.75	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN000757311, Item Description: Alarm As-Bac, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
----------	-------------	-----------	-------	----------

Maintenance Work Order

Work Order: 69066
Priority: Normal
Due Date:

Notes:

11/1/2022 Ryan J Baker Replaced backup alarm. While onsite, the skid died. Inspected machine and found it had a fuel leakage code and showed 3/4 of a tank. These are typical of failed senders/fuel tanks. The operators filled with fuel and will keep a close eye until repaired.

Maintenance Work Order

Work Order: 68879
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 11/1/2022

Mechanic Name	Schedule Date	Work Complete?
John J. Lauber	10/24/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 22-R108	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 2254 on 10/31/2022 by Jeff Lewis
 Odometer: on by
 Last Hour Service (Lifetime): 2065 (2065) on 8/9/2022
 Last Odometer Service (Lifetime): on

Problem Description: Machine is low on coolant.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Adjust	19 - Cooling System:Coolant Hoses and Clamps		0.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

10/24/2022 John J. Lauber Tightened hoses that had cold water leaks. Topped off coolant.

Maintenance Work Order

Work Order: 68439
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 10/12/2022

Mechanic Name	Schedule Date	Work Complete?
Timothy M. Kirkman	10/5/2022	<input checked="" type="checkbox"/>
John M. Pohlman	10/5/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-100 Description: Cat 299D3 Compact Track Loader
Work Order Job: 22-H116 VIN #
Current Job: 25-C265 Serial # DY901700
Current Location: 25-C265 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 299D3
Carrier Name:

Meter Reading: Hours: 2210 on 10/10/2022 by Trevor L. Williams
Odometer: on by
Last Hour Service (Lifetime): 2065 (2065) on 8/9/2022
Last Odometer Service (Lifetime): on

Problem Description: Power washed machine.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Clean	10 - Inspection / Cleaning:Steam Cleaning		2.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

10/5/2022 Timothy M. Kirkman Was told to swing by and power wash machine. Done

Maintenance Work Order

Work Order: 67912
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 9/20/2022

Mechanic Name	Schedule Date	Work Complete?
Taylor J. Anderson	9/14/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 22-H116	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 2143 on 9/16/2022 by Trevor L. Williams
 Odometer: on by
 Last Hour Service (Lifetime): 2065 (2065) on 8/9/2022
 Last Odometer Service (Lifetime): on

Problem Description: Engine fault code, 3516-18 (Aftertreatment #1 DEF Concentration low). Ziegler to repair.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Diagnose	11 - Engine:DPF/DEF /SCR System		2.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: SI000259110, Item Description: Travel, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 67912
Priority: Normal
Due Date:

Notes:

9/18/2022 Taylor J. Anderson 9/14/2022- Machine has fault code for low DEF concentration. Checked DEF concentration with refractometer and it tested good, 32.5%. Checked DEF for oil contamination with test strip and it is good and clean. Inspected wiring going to DEF header and all looks good, minus the main connector going to the DEF pump module is broken. Machine should have some warranty left to it and Ziegler will repair.

Maintenance Work Order

Work Order: 67769
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 9/13/2022

Mechanic Name	Schedule Date	Work Complete?
Travis B. Larkins	9/6/2022	<input checked="" type="checkbox"/>
John J. Lauber	9/9/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 22-R107	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 2128 on 9/12/2022 by Trevor L. Williams
 Odometer: on by
 Last Hour Service (Lifetime): 2065 (2065) on 8/9/2022
 Last Odometer Service (Lifetime): on

Problem Description: Regen fault. Left track came off. Cab door seal falling off. Codes for left and right unexpected motor movement.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Adjust	17 - Undercarriage:Rubber Track		1.00	0.00	0.00
Diagnose	14 - Hydraulic System:Hydraulic Oil		1.00	0.00	0.00
Perform	11 - Engine:DPF/DEF/SCR System		3.00	0.00	0.00
Repair	27 - Cab / Body:Cab Door and Hinge		0.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 67769
Priority: Normal
Due Date:

Notes:

9/9/2022	John J. Lauber	Reinstalled left track. Glued door seal back in place. Checked wiring to the drive motors, no issues found. Found hydraulic fluid almost empty. Filled hydraulic fluid. Ran machine.
9/8/2022	Travis B. Larkins	9-6 Drove to machine, had to wait 1hr for trucks to get unloaded before i could enter job site, found emissions code, speratic communication code, cleared code, run calibration, no codes came back

Maintenance Work Order

Work Order: 67454
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 9/6/2022

Mechanic Name	Schedule Date	Work Complete?
Travis B. Larkins	8/22/2022	<input checked="" type="checkbox"/>
Taylor J. Anderson	8/29/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 22-U145	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 2096 on 8/24/2022 by Kraig L. Kuhse
 Odometer: on by
 Last Hour Service (Lifetime): 2065 (2065) on 8/9/2022
 Last Odometer Service (Lifetime): on

Problem Description: Drive motor fault code. Lift linkage position sensor code 350-3.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Diagnose	14 - Hydraulic System:Bucket Lift / Tilt Kickout System		1.50	0.00	0.00
Diagnose	18 - Final Drive		2.00	0.00	0.00
Replace	14 - Hydraulic System:Bucket Lift / Tilt Kickout System		3.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN000669248, Item Description: Harness As, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 67454
Priority: Normal
Due Date:

Notes:

9/2/2022	Taylor J. Anderson	9/2/2022- Removed old harness for lift linkage sensor. Installed new harness and secured out of the way of loader arm pinch points. Ran machine to verify no longer any codes.
8/29/2022	Taylor J. Anderson	8/29/2022- Machine has fault code for left linkage position sensor. Found harness has bad spot in it, ordered new harness.
8/24/2022	Travis B. Larkins	8-22 Drove to Altoona, machine was not there, contacted wade elder, machine was at 17th st, drove to 17th st machine was on lowboy headed to mid am off 5 bypass, drove to mid am, run calibration , believe in time will need final repaired, code was gone, but usuallly gets a piece of metal on sensor causing code, kyle is going to check on oil sample

Maintenance Work Order

Work Order: 66975
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 8/16/2022

Mechanic Name	Schedule Date	Work Complete?
Chase A. Rose	8/3/2022	<input checked="" type="checkbox"/>
Christopher J. Murano	8/3/2022	<input checked="" type="checkbox"/>
John M. Pohlman	8/3/2022	<input checked="" type="checkbox"/>
Timothy M. Kirkman	8/3/2022	<input checked="" type="checkbox"/>
Wyatt A Hull	8/8/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 22-H114	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 2065 on 8/9/2022 by Timothy M. Kirkman
 Odometer: on by
 Last Hour Service (Lifetime): 2065 (2065) on 8/9/2022
 Last Odometer Service (Lifetime): on

Problem Description: PM4/2000hr.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Perform	26 - PM / Service:PM's Hours:PM4/2,000		10.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 66975
Priority: Normal
Due Date:

Notes:

8/9/2022	Wyatt A Hull	8/8/2022- Went to service machine and machine would not stay running.
8/9/2022	Timothy M. Kirkman	Serviced back at shop with Chop Chop. Left final is leaking bad. One hydraulic line is wore down to the steel braids from the hydraulic tank drain hose rubbing on it. Power washed machine.
8/8/2022	Timothy M. Kirkman	Went to service machine. Machine started but died. Had Alerts across display. Machine would not re-start . Gave up and returned to the shop. Have service set up for following morning.

Maintenance Work Order

Work Order: 66990
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 8/9/2022

Mechanic Name	Schedule Date	Work Complete?
John J. Lauber	8/4/2022	<input checked="" type="checkbox"/>
Taylor J. Anderson	8/8/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-100 Description: Cat 299D3 Compact Track Loader
Work Order Job: 22-H114 VIN #
Current Job: 25-C265 Serial # DY901700
Current Location: 25-C265 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 299D3
Carrier Name:

Meter Reading: Hours: 2058 on 8/8/2022 by Jeff Lewis
Odometer: on by
Last Hour Service (Lifetime): 1777 (1777) on 5/24/2022
Last Odometer Service (Lifetime): on

Problem Description: Replace engine air filters. Blow out cab filters. Engine fault code, 1239-1; engine fuel leakage #1. Both final drives leaking. Ziegler to replace at our shop.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Diagnose	15 - Fuel System		1.00	0.00	0.00
Replace	11 - Engine:Air Filter		0.50	0.00	0.00
Replace	15 - Fuel System:Fuel Filter		0.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 66990
Priority: Normal
Due Date:

Notes:

8/8/2022 Taylor J. Anderson 8/8/2022- Machine had fault code of 1239-1 fuel leakage. Ran machine around to try and duplicate but could not get code to come back up, performed fuel pump calibration and replaced fuel filter. Informed operator to run again and see if code comes back.

8/4/2022 John J. Lauber Replaced engine air filters. Blew out cab filters.

Maintenance Work Order

Work Order: 66323
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 7/18/2022

Mechanic Name	Schedule Date	Work Complete?
John J. Lauber	7/8/2022	<input checked="" type="checkbox"/>
Wyatt A Hull	7/12/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 22-S476	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 1927 on 7/18/2022 by Kraig L. Kuhse
 Odometer: on by
 Last Hour Service (Lifetime): 1777 (1777) on 5/24/2022
 Last Odometer Service (Lifetime): on

Problem Description: Fuel leaking from the top of the water separator housing. Unexpected speed from both tracks codes coming up. Tracks peeling apart from the inside, replace tracks.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Diagnose	12 - Transmission / Power Train:Hydrostatic Drive		4.50	0.00	0.00
Diagnose	15 - Fuel System:Fuel Filter Base		1.00	0.00	0.00
Parts Delivery or Pickup	15 - Fuel System:Fuel Filter Base		0.50	0.00	0.00
Replace	15 - Fuel System:Fuel Filter Base		1.50	0.00	0.00
Replace	17 - Undercarriage:Rubber Track		7.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Maintenance Work Order

Work Order: 66323
Priority: Normal
Due Date:

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: 1400085209, Item Description: HH B E Camo HXD Trk, Vendor Name: Pomp's Tire Service, Inc.	\$0.00
Parts		Invoice #: 1400096741, Item Description: Track Adjustment, Vendor Name: Pomp's Tire Service, Inc.	\$0.00
Parts		Invoice #: IN000607451, Item Description: Filter Gp-Wa, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
----------	-------------	-----------	-------	----------

Notes:

7/13/2022	John J. Lauber	Checked all connections for the speed sensors, no issues found. Checked speed sensors, no issues found.		
7/12/2022	Wyatt A Hull	Helped replace both tracks, along with tension tracks.		
7/12/2022	John J. Lauber	Replaced tracks. Set tension on both tracks.		
7/11/2022	John J. Lauber	Tried checking machine out. Downloaded a PSR. Need to check wiring under the cab.		
7/8/2022	John J. Lauber	Found filter base priming pump mount leaking. Ordered filter base and picked up from Ziegler. Replaced fuel filter base and primed machine. Ran machine.		

Maintenance Work Order

Work Order: 65052
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 5/31/2022

Mechanic Name	Schedule Date	Work Complete?
Chase A. Rose	5/11/2022	<input checked="" type="checkbox"/>
Christopher J. Murano	5/11/2022	<input checked="" type="checkbox"/>
John M. Pohlman	5/11/2022	<input checked="" type="checkbox"/>
Timothy M. Kirkman	5/11/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 21-U136	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 1777 on 5/24/2022 by John M. Pohlman
 Odometer: on by
 Last Hour Service (Lifetime): 1777 (1777) on 5/24/2022
 Last Odometer Service (Lifetime): on

Problem Description: PM1/250hr.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Perform	26 - PM / Service:PM's Hours:PM1/250		8.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used
----------	------	-----	----------

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
------	---------	-------------	----------------

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
----------	-------------	-----------	-------	----------

Maintenance Work Order

Work Order: 65052
Priority: Normal
Due Date:

Notes:

5/24/2022 John M. Pohlman Done and Washed

Maintenance Work Order

Work Order: 65400
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 5/31/2022

Mechanic Name	Schedule Date	Work Complete?
Nicholas J. Littell	5/26/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 21-U136	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 1782 on 5/31/2022 by Kraig L. Kuhse
 Odometer: on by
 Last Hour Service (Lifetime): 1777 (1777) on 5/24/2022
 Last Odometer Service (Lifetime): on

Problem Description: Fuel needs pumped off for Ziegler to repair pick up tube in fuel tank.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Remove	15 - Fuel System:Diesel Fuel		2.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: SI000206277, Item Description: Travel, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

5/26/2022 Nicholas J. Littell Removed the diesel fuel from the tank into another piece of equipment.

Maintenance Work Order

Work Order: 65005
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 5/17/2022

Mechanic Name	Schedule Date	Work Complete?
Nicholas J. Littell	5/10/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 21-U136	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 1754 on 5/16/2022 by Kraig L. Kuhse
 Odometer: on by
 Last Hour Service (Lifetime): 1524 (1524) on 11/1/2021
 Last Odometer Service (Lifetime): on

Problem Description: Low fuel rail pressure. Ziegler repaired in Tama

Labor Items:

Work Code	Item Code	ST	OT	DT	
Diagnose	15 - Fuel System:Electric Fuel Transfer Pump		2.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN000531900, Item Description: Filter As-Fu, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 65005
Priority: Normal
Due Date:

Notes:

5/11/2022 Nicholas J. Littell Replaced the fuel filter and the fuel leakage code comes on. The fuel rail pressure drops off and you have to prime the system back up. The fuel filters are still full when the code pops on.

Maintenance Work Order

Work Order: 63442
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 4/8/2022

Mechanic Name	Schedule Date	Work Complete?
Taylor J. Anderson	1/28/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 20-B212	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 1738 on 4/4/2022 by Kraig L. Kuhse
 Odometer: on by
 Last Hour Service (Lifetime): 1524 (1524) on 11/1/2021
 Last Odometer Service (Lifetime): on

Problem Description: Repair inspection. Emissions code on display, 4334-4. Ziegler to repair at Elder shop. Replace engine belts. Repair broken hose bracket on right side loader frame. ZIEGLER repaired at Elder shop.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Inspect	10 - Inspection / Cleaning:Repair Inspection		2.00	0.00	0.00
Install	27 - Cab / Body:Belly Pan / All Guards		0.50	0.00	0.00
Repair	19 - Cooling System:Coolant Hoses and Clamps		0.50	0.00	0.00
Repair	27 - Cab / Body:Hose Hanger Mount and Springs		2.00	0.00	0.00
Replace	11 - Engine:Belts		1.25	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: SI000161679, Item Description: Travel, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN000410299, Item Description: V-Belt, Vendor Name: Ziegler, Inc.	\$0.00

Maintenance Work Order

Work Order: 63442
Priority: Normal
Due Date:

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

2/6/2022	Taylor J. Anderson	2/4/2022-	Installed all bottom guards and belt guard, kept red do not operate tag on machine and parked along berm. Waiting for Ziegler to get new DEF pump and replace.		
1/31/2022	Taylor J. Anderson	1/31/2022-	Replaced engine belts. Tightened hose clamp for coolant line going to thermostat. Repaired broken hose hanger on right upper side of loader frame, had to extract broken bolt and clean threads up on thread boss. Need to get with Ziegler on emissions code 4334-4 for warranty.		
1/30/2022	Taylor J. Anderson	1/28/2022-	Bring unit into shop and start repair inspection, emissions code coming on display when bring into shop and will not go to high idle.		

Maintenance Work Order

Work Order: 63257
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 1/18/2022

Mechanic Name	Schedule Date	Work Complete?
Wade J. Smith	1/12/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-100 Description: Cat 299D3 Compact Track Loader
Work Order Job: 20-B212 VIN #
Current Job: 25-C265 Serial # DY901700
Current Location: 25-C265 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 299D3
Carrier Name:

Meter Reading: Hours: 1672 on 1/13/2022 by Trevor L. Williams
Odometer: on by
Last Hour Service (Lifetime): 1524 (1524) on 11/1/2021
Last Odometer Service (Lifetime): on

Problem Description: Inspect machine.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Inspect	10 - Inspection / Cleaning		0.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

1/13/2022 Wade J. Smith Hardsurface looks good. Door seal coming off bottom corner of door.

Maintenance Work Order

Work Order: 61782
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 12/7/2021

Mechanic Name	Schedule Date	Work Complete?
John J. Lauber	12/4/2021	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 21-B222	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 1641 on 12/7/2021 by Trevor L. Williams
 Odometer: on by
 Last Hour Service (Lifetime): 1524 (1524) on 11/1/2021
 Last Odometer Service (Lifetime): on

Problem Description: Rotate cutting edge.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Rotate	23 - Cutting Edge / Teeth:Cutting Edge		2.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN000347993, Item Description: Locknut, Screw, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

12/4/2021 John J. Lauber Rotated cutting edge.

Maintenance Work Order

Work Order: 61030
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 11/3/2021

Mechanic Name	Schedule Date	Work Complete?
Chase A. Rose	10/20/2021	<input checked="" type="checkbox"/>
Christopher J. Murano	10/20/2021	<input checked="" type="checkbox"/>
John M. Pohlman	10/20/2021	<input checked="" type="checkbox"/>
Timothy M. Kirkman	10/20/2021	<input checked="" type="checkbox"/>

Equipment ID:	31-100	Description:	Cat 299D3 Compact Track Loader
Work Order Job:	21-H102	VIN #	
Current Job:	25-C265	Serial #	DY901700
Current Location:	25-C265	License Plate #	
Equipment Foreman:		Make:	Cat
Work Order Foreman:		Model:	299D3
		Carrier Name:	

Meter Reading: Hours: 1524 on 11/1/2021 by Timothy M. Kirkman
 Odometer: on by
 Last Hour Service (Lifetime): 1524 (1524) on 11/1/2021
 Last Odometer Service (Lifetime): on

Problem Description: PM2/500hr. Add coolant conditioner to the cooling system.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Perform	26 - PM / Service:PM's Hours:PM2/500		12.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	

Maintenance Work Order

Work Order: 61030
Priority: Normal
Due Date:

Notes:

11/1/2021 Timothy M. Kirkman Machine was in Davis County by Bloomfield. Added coolant conditioner to the coolant. Power washed machine.

Maintenance Work Order

Work Order: 60571
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 10/18/2021

Mechanic Name	Schedule Date	Work Complete?
Nicholas J. Littell	9/29/2021	<input checked="" type="checkbox"/>
Taylor J. Anderson	10/14/2021	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 21-Q162	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 1469 on 10/13/2021 by Jeff Lewis
 Odometer: on by
 Last Hour Service (Lifetime): 1248 (1248) on 7/22/2021
 Last Odometer Service (Lifetime): on

Problem Description: Door hinge broken. 2686-8 and 2685-8 left motor speed sensor #1 and #2 pulse width codes came up 1 time.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Diagnose	12 - Transmission / Power Train:Power Train Gauge,Sensor, Sender, Wiring		1.00	0.00	0.00
Diagnose	27 - Cab / Body:Door Latch / Lock		0.50	0.00	0.00
Replace	27 - Cab / Body:Door Latch / Lock		2.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN000282530, Item Description: Hinge As- Top & Bot, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 60571
Priority: Normal
Due Date:

Notes:

10/15/2021	Nicholas J. Littell	Replaced the door hinges on front of the cab.
10/14/2021	Taylor J. Anderson	10/14/2021- Machine had codes for left motor speed sensor pulse width abnormal codes and logged unexpected motor codes. Performed PSR download and saved to file, cleared codes (1 occurrence each). Operated machine and tried to duplicate, could not get codes to come up. Raised cab and inspected wiring to speed sensors, wiring appears in good shape. Noticed on the job site they were working a ide slope which can cause unexpected motor speed due to sliding.
9/30/2021	Nicholas J. Littell	Found the door hinger was broken. Ordered new door hinger but on back order.

Maintenance Work Order

Work Order: 60141
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 9/13/2021

Mechanic Name	Schedule Date	Work Complete?
Taylor J. Anderson	9/9/2021	<input checked="" type="checkbox"/>
Jacob H. Haws	9/10/2021	<input checked="" type="checkbox"/>
Mark E. McNaughton	9/10/2021	<input checked="" type="checkbox"/>

Equipment ID:	31-100	Description:	Cat 299D3 Compact Track Loader
Work Order Job:	21-Q148	VIN #	
Current Job:	25-C265	Serial #	DY901700
Current Location:	25-C265	License Plate #	
Equipment Foreman:		Make:	Cat
Work Order Foreman:		Model:	299D3
		Carrier Name:	

Meter Reading: Hours: 1354 on 9/13/2021 by Kraig L. Kuhse
 Odometer: on by
 Last Hour Service (Lifetime): 1248 (1248) on 7/22/2021
 Last Odometer Service (Lifetime): on

Problem Description: Replace tracks with Camso HXD.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Inspect	17 - Undercarriage:Rubber Track		1.50	0.00	0.00
Replace	17 - Undercarriage:Rubber Track		12.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: 1400060463, Item Description: HH B E Camo Hxd Trk, Vendor Name: Pomp's Tire Service, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	

Maintenance Work Order

Work Order: 60141
Priority: Normal
Due Date:

Notes:

9/10/2021	Jacob H. Haws	Went out to put tracks on and was fighting tracks found out they was wrong waited for new tracks and installed tracks.
9/10/2021	Mark E. McNaughton	Remove old tracks and tried too install track ,found out that we got the wrong track . A 299 takes a bigger track Got right tracks and put them on.
9/10/2021	Taylor J. Anderson	9/9/2021- Drive to machine from Paton, IA and inspect tracks. Tracks have almost 1400 hours on them and need replaced.

Maintenance Work Order

Work Order: 59952
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 8/31/2021

Mechanic Name	Schedule Date	Work Complete?
Nicholas J. Littell	8/30/2021	<input checked="" type="checkbox"/>

Equipment ID: 31-100 Description: Cat 299D3 Compact Track Loader
Work Order Job: 19-W112 VIN #
Current Job: 25-C265 Serial # DY901700
Current Location: 25-C265 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 299D3
Carrier Name:

Meter Reading: Hours: 1339 on 8/27/2021 by Kraig L. Kuhse
Odometer: on by
Last Hour Service (Lifetime): 1248 (1248) on 7/22/2021
Last Odometer Service (Lifetime): on

Problem Description: Roller frame bolts backed out.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Repair	17 - Undercarriage:Track ack Frame		2.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

8/30/2021 Nicholas J. Littell Took bolts out of track frame and cleaned bolts and threads and installed bolts with lock tight.

Maintenance Work Order

Work Order: 59143
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 7/28/2021

Mechanic Name	Schedule Date	Work Complete?
Christopher J. Murano	7/21/2021	<input checked="" type="checkbox"/>
John M. Pohlman	7/21/2021	<input checked="" type="checkbox"/>
Timothy M. Kirkman	7/21/2021	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 21-Q148	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 1248 on 7/22/2021 by Timothy M. Kirkman
 Odometer: on by
 Last Hour Service (Lifetime): 1248 (1248) on 7/22/2021
 Last Odometer Service (Lifetime): on

Problem Description: PM1/250hr. Add ELC extender to cooling system.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Perform	26 - PM / Service:PM's Hours:PM1/250		6.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: 2477006-00, Item Description: Gladhand-Blue/Service Standard, Vendor Name: Midwest Wheel Companies	\$0.00
Parts		Invoice #: IN000190026, Item Description: Adpt Tube,Fitting, Tube Clamp, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 59143
Priority: Normal
Due Date:

Notes:

7/22/2021 Timothy M. Kirkman Added coolant extender and power washed machine.

Maintenance Work Order

Work Order: 55240
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 6/15/2021

Mechanic Name	Schedule Date	Work Complete?
John J. Lauber	6/8/2021	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 20-U109	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 1091 on 6/15/2021 by Trevor L. Williams
 Odometer: on by
 Last Hour Service (Lifetime): 1020 (1020) on 5/13/2021
 Last Odometer Service (Lifetime): on

Problem Description: Clean cab and engine air filters. Replace cutting edge.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Clean	10 - Inspection / Cleaning:Clean Out Cab Filter, Condenser, Radiator		0.50	0.00	0.00
Replace	23 - Cutting Edge / Teeth:Cutting Edge		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used
----------	------	-----	----------

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
------	---------	-------------	----------------

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
----------	-------------	-----------	-------	----------

Maintenance Work Order

Work Order: 55240
Priority: Normal
Due Date:

Notes:

6/10/2021 John J. Lauber Replaced cutting edge.
6/8/2021 John J. Lauber Blew out cab and engine air filters. Blew machine off.

Maintenance Work Order

Work Order: 54623
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 5/19/2021

Mechanic Name	Schedule Date	Work Complete?
Christopher J. Murano	5/8/2021	<input checked="" type="checkbox"/>
Timothy M. Kirkman	5/8/2021	<input checked="" type="checkbox"/>

Equipment ID: 31-100 Description: Cat 299D3 Compact Track Loader
Work Order Job: 20-R373 VIN #
Current Job: 25-C265 Serial # DY901700
Current Location: 25-C265 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 299D3
Carrier Name:

Meter Reading: Hours: 1020 on 5/13/2021 by Timothy M. Kirkman
Odometer: on by
Last Hour Service (Lifetime): 1020 (1020) on 5/13/2021
Last Odometer Service (Lifetime): on

Problem Description: PM3/1000hr. Add coolant conditioner.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Perform	26 - PM / Service:PM's Hours:PM3/1,000		5.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 54623
Priority: Normal
Due Date:

Notes:

5/13/2021 Timothy M. Kirkman Added coolant conditioner and power washed machine.

Maintenance Work Order

Work Order: 54334
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 5/4/2021

Mechanic Name	Schedule Date	Work Complete?
Austin F. Stewart	4/26/2021	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 20-R373	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 958 on 5/3/2021 by Jeff Lewis
 Odometer: on by
 Last Hour Service (Lifetime): 755 (755) on 1/13/2021
 Last Odometer Service (Lifetime): on

Problem Description: Engine air filter plugged up.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Parts Delivery or Pickup	11 - Engine:Air Filter :Primary		1.00	0.00	0.00
Replace	11 - Engine:Air Filter :Primary		0.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

4/26/2021 Austin F. Stewart Got new air filter from shop and went to job site to replace.

Maintenance Work Order

Work Order: 54078
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 4/20/2021

Mechanic Name	Schedule Date	Work Complete?
John J. Lauber	4/15/2021	<input checked="" type="checkbox"/>

Equipment ID: 31-100 Description: Cat 299D3 Compact Track Loader
Work Order Job: 20-R373 VIN #
Current Job: 25-C265 Serial # DY901700
Current Location: 25-C265 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 299D3
Carrier Name:

Meter Reading: Hours: 887 on 4/19/2021 by Jeff Lewis
Odometer: on by
Last Hour Service (Lifetime): 755 (755) on 1/13/2021
Last Odometer Service (Lifetime): on

Problem Description: Bottom bolt came out of cab door handle. Left track came off.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Adjust	17 - Undercarriage:Rubber Track		1.00	0.00	0.00
Replace	27 - Cab / Body:Door Latch / Lock		1.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
Parts		Invoice #: IN000097856, Item Description: Handle As, Bolt, Washer, Vendor Name: Ziegler, Inc.	\$0.00	

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 54078
Priority: Normal
Due Date:

Notes:

- 4/19/2021 John J. Lauber Reinstalled left track and set tension on both.
- 4/15/2021 John J. Lauber Picked up parts from Ziegler. Had to replace the outer door pull, the bottom nut stripped out. Adjusted door latch and stricker.

Maintenance Work Order

Work Order: 53440
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 3/8/2021

Mechanic Name	Schedule Date	Work Complete?
John J. Lauber	3/8/2021	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 20-N214	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 766 on 3/5/2021 by Kraig L. Kuhse
 Odometer: on by
 Last Hour Service (Lifetime): 755 (755) on 1/13/2021
 Last Odometer Service (Lifetime): on

Problem Description: Check machine for hard starting.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Diagnose	13 - Lighting / Charging / Starting System:Starting Motor		1.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

3/8/2021 John J. Lauber Checked operation of starting system on machine. No issues found.

Maintenance Work Order

Work Order: 52847
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 1/19/2021

Mechanic Name	Schedule Date	Work Complete?
Christopher J. Murano	1/8/2021	<input checked="" type="checkbox"/>
Timothy M. Kirkman	1/8/2021	<input checked="" type="checkbox"/>

Equipment ID:	31-100	Description:	Cat 299D3 Compact Track Loader
Work Order Job:	20-C545	VIN #	
Current Job:	25-C265	Serial #	DY901700
Current Location:	25-C265	License Plate #	
Equipment Foreman:		Make:	Cat
Work Order Foreman:		Model:	299D3
		Carrier Name:	

Meter Reading: Hours: 755 on 1/13/2021 by Christopher J. Murano

Odometer: on by
 Last Hour Service (Lifetime): 755 (755) on 1/13/2021
 Last Odometer Service (Lifetime): on

Problem Description: PM1/250hr.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Perform	26 - PM / Service:PM's Hours:PM1/250		9.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	

Maintenance Work Order

Work Order: 52847
Priority: Normal
Due Date:

Notes:

- 1/13/2021 Christopher J. Murano Washed machine. DONE
- 1/11/2021 Christopher J. Murano Went to service machine would not move . Tracks full of mud and snow. Showed kyle the pic.

Maintenance Work Order

Work Order: 52871
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 1/18/2021

Mechanic Name	Schedule Date	Work Complete?
Austin F. Stewart	1/12/2021	<input checked="" type="checkbox"/>

Equipment ID: 31-100 Description: Cat 299D3 Compact Track Loader
Work Order Job: 20-C545 VIN #
Current Job: 25-C265 Serial # DY901700
Current Location: 25-C265 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 299D3
Carrier Name:

Meter Reading: Hours: 755 on 1/13/2021 by Christopher J. Murano

 Odometer: on by
 Last Hour Service (Lifetime): 755 (755) on 1/13/2021
 Last Odometer Service (Lifetime): on

Problem Description: Tracks froze need thawed.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Perform	10 - Inspection / Cleaning: Winter Conditions Cleaning		2.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

1/12/2021 Austin F. Stewart Thawed and clean tracks out.

Maintenance Work Order

Work Order: 52281
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 12/7/2020

Mechanic Name	Schedule Date	Work Complete?
Kyle J. King	12/2/2020	<input checked="" type="checkbox"/>

Equipment ID: 31-100 Description: Cat 299D3 Compact Track Loader
Work Order Job: 20-U122 VIN #
Current Job: 25-C265 Serial # DY901700
Current Location: 25-C265 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 299D3
Carrier Name:

Meter Reading: Hours: 723 on 12/4/2020 by Trevor L. Williams
Odometer: on by
Last Hour Service (Lifetime): 504 (504) on 9/16/2020
Last Odometer Service (Lifetime): on

Problem Description: Air filter restriction.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Clean	10 - Inspection / Cleaning:Clean Out Cab Filter, Condenser, Radiator		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

12/2/2020 Kyle J. King Blew out air filter and housing.

Maintenance Work Order

Work Order: 51751
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 11/9/2020

Mechanic Name	Schedule Date	Work Complete?
Taylor J. Anderson	11/2/2020	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 20-N227	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 653 on 11/4/2020 by Kraig L. Kuhse
 Odometer: on by
 Last Hour Service (Lifetime): 504 (504) on 9/16/2020
 Last Odometer Service (Lifetime): on

Problem Description: Rotate cutting edge.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Rotate	23 - Cutting Edge / Teeth:Cutting Edge		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

11/6/2020 Taylor J. Anderson 11/2/2020- Rotate cutting edge and replace bolts. Will need to monitor edge as bolt heads are sticking out below edge surface.

Maintenance Work Order

Work Order: 51304
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 10/27/2020

Mechanic Name	Schedule Date	Work Complete?
Kyle J. King	10/13/2020	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 19-C194	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 613 on 10/20/2020 by Trevor L. Williams
 Odometer: on by
 Last Hour Service (Lifetime): 504 (504) on 9/16/2020
 Last Odometer Service (Lifetime): on

Problem Description: Right side panel under cab damaged, probably from rebar/concrete.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Inspect	27 - Cab / Body		1.00	0.00	0.00
Parts Delivery or Pickup	27 - Cab / Body		1.00	0.00	0.00
Replace	27 - Cab / Body		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: PC501417463, Item Description: Cover As, Latch As, Cam-Latch, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 51304
Priority: Normal
Due Date:

Notes:

- 10/20/2020 Kyle J. King Picked up new body panel at Ziegler. Removed damaged panel. Put new panel together and installed.
- 10/13/2020 Kyle J. King Inspected unit and ordered parts.

Maintenance Work Order

Work Order: 50727
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 9/28/2020

Mechanic Name	Schedule Date	Work Complete?
Kyle J. King	9/17/2020	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 20-Q131	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 546 on 9/25/2020 by Trevor L. Williams
 Odometer: on by
 Last Hour Service (Lifetime): 504 (504) on 9/16/2020
 Last Odometer Service (Lifetime): on

Problem Description: AC pressure switch has wire rubbed through, replaced switch.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Repair	28 - Air Conditioning / Heating System:Control, Cable, Switch, Relay, Wiring		1.50	0.00	0.00
Replace	28 - Air Conditioning / Heating System:Control, Cable, Switch, Relay, Wiring		1.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: PC501411206, Item Description: Switch As, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 50727
Priority: Normal
Due Date:

Notes:

9/25/2020	Kyle J. King	Replaced damaged switch.
9/17/2020	Kyle J. King	Taped up wire and ordered a new switch.

Maintenance Work Order

Work Order: 50299
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 9/22/2020

Mechanic Name	Schedule Date	Work Complete?
Christopher J. Murano	8/24/2020	<input checked="" type="checkbox"/>
Timothy M. Kirkman	8/24/2020	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 20-Q131	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 504 on 9/16/2020 by Timothy M. Kirkman
 Odometer: on by
 Last Hour Service (Lifetime): 504 (504) on 9/16/2020
 Last Odometer Service (Lifetime): on

Problem Description: PM2/500hr.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Perform	26 - PM / Service:PM's Hours:PM2/500		6.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 50299
Priority: Normal
Due Date:

Notes:

9/16/2020 Timothy M. Kirkman Power washed machine. Found one bare wire going to air conditioning switch by fuel filter.

Maintenance Work Order

Work Order: 49527
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 7/20/2020

Mechanic Name	Schedule Date	Work Complete?
Kyle J. King	7/17/2020	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 20-Q131	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 341 on 7/18/2020 by Jeff Lewis
 Odometer: on by
 Last Hour Service (Lifetime): 258 (258) on 6/30/2020
 Last Odometer Service (Lifetime): on

Problem Description: Water in fuel code.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Parts Delivery or Pickup	15 - Fuel System:Fuel Filter:Water Seperator		1.00	0.00	0.00
Replace	15 - Fuel System:Fuel Filter:Water Seperator		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: PC501400384, Item Description: Filter As , Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 49527
Priority: Normal
Due Date:

Notes:

7/17/2020 Kyle J. King Picked up new water separator at Ziegler and replaced on unit.

Maintenance Work Order

Work Order: 48994
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 7/6/2020

Mechanic Name	Schedule Date	Work Complete?
---------------	---------------	----------------

Christopher J. Murano	6/22/2020	<input checked="" type="checkbox"/>
Timothy M. Kirkman	6/22/2020	<input checked="" type="checkbox"/>
Tanner C. Loomis	6/30/2020	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 20-Q133	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 258 on 6/30/2020 by Christopher J. Murano

Odometer: on by
 Last Hour Service (Lifetime): 258 (258) on 6/30/2020
 Last Odometer Service (Lifetime): on

Problem Description: PM1/250hr.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Perform	26 - PM / Service:PM's Hours:PM1/250		5.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used
----------	------	-----	----------

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
------	---------	-------------	----------------

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
----------	-------------	-----------	-------	----------

Maintenance Work Order

Work Order: 48994
Priority: Normal
Due Date:

Notes:

6/30/2020 Christopher J. Murano Washed machine. DONE

Maintenance Work Order

Work Order: 48044
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 5/11/2020

Mechanic Name	Schedule Date	Work Complete?
Taylor J. Anderson	5/5/2020	<input checked="" type="checkbox"/>

Equipment ID: 31-100	Description: Cat 299D3 Compact Track Loader
Work Order Job: 19-Q123	VIN #
Current Job: 25-C265	Serial # DY901700
Current Location: 25-C265	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 299D3
	Carrier Name:

Meter Reading: Hours: 99 on 5/8/2020 by Kraig L. Kuhse
 Odometer: on by
 Last Hour Service (Lifetime): on
 Last Odometer Service (Lifetime): on

Problem Description: Hydraulic leak on aux coupler. Low on hydraulic oil.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Add Fluid	14 - Hydraulic System:Hydraulic Oil		0.50	0.00	0.00
Repair	14 - Hydraulic System:Hydraulic Fittings / Lines		0.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
----------	------	-----	----------	--

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Maintenance Work Order

Work Order: 48044
Priority: Normal
Due Date:

Notes:

5/5/2020 Taylor J. Anderson 5/5/2020- Hydraulic leak around aux couplers. Found hose loose, replaced oring and tightened hose. Topped off hydraulic oil.

Maintenance Work Order

Work Order: 46988
Priority: Normal
Due Date:

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
------	---------	-------------	----------------	--

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
----------	-------------	-----------	-------	----------	--

Notes:

4/2/2020	Wade J. Smith	Replace ELDER decal on back door. Install fabricated display mount inside of cab. Fabricate mount to hold wire harnesses on loader arm.			
3/12/2020	Christopher J. Murano	Removed some decals, installed decals, pad locks, master switch lockout, SLV sign, and strobe light. Checked all fluids and removed the step.			
3/11/2020	Wade J. Smith	Install wear plate material and hardsurface buckets. Weld ELDER and unit numbers on buckets. Add bucket step reinforcement and weld gussets over top of quick attach flatbars on 84" bucket. Touch up paint.			



RADIATOR

EQUIP NUM: 31-100

SERIAL NUMBER: DY901700

CAT 299D3

No Action Required

ALL LEVEL 1 TESTS APPEAR NORMAL. NO ACTION REQUIRED AT THIS TIME. RESAMPLE AT THE NORMAL INTERVAL.

Interp By: LAB
Interpreted On: 22-Aug-25

E500-55233-7005

SAMPLE SHIP TIME (days) : 2

ELDER CORPORATION

RECEIVED DATE: 20-Aug-25

SAMPLE INFORMATION

	19-Aug-25	19-Sep-24	07-Mar-24	06-Jan-23
Sampled Date	19-Aug-25	19-Sep-24	07-Mar-24	06-Jan-23
Sample Id	E500-55233-7005	E500-54267-7003	E500-54071-7001	E500-53009-7044
Lab Date	21-Aug-25	23-Sep-24	11-Mar-24	09-Jan-23
Meter [Hr]	4113	3563	3056	2579
Meter On Fluid			3056	2579
Fluid Brand	CHEVRON	CHEVRON	CHEVRON	CHEVRON
Fluid Weight				
Fluid Type	50/50	50/50		
Fluid Change	N	N	N	N
Filter Change	N			
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

ALL LEVEL 1 TESTS APPEAR NORMAL. NO ACTION REQUIRED AT THIS TIME. RESAMPLE AT THE NORMAL INTERVAL.

For additional sample history, go to:

S.O.S WEB

PHYSICAL CHARACTERISTICS

	19-Aug-25	19-Sep-24	07-Mar-24	06-Jan-23
PO4 Phosphate	101	28	25	276
TH Total Hardness	7	9	2	2

ADDITIONAL ANALYTES (PPM)

	19-Aug-25	19-Sep-24	07-Mar-24	06-Jan-23
GL Glycol (%)	49	50	50	56
FP Freeze Point (°C)	-36	-37	-37	-47
BP Boil Point (°C)	107	107	107	108

REFRACTIVE INDEX

	19-Aug-25	19-Sep-24	07-Mar-24	06-Jan-23
GL Glycol (%)	49	50	50	56
FP Freeze Point (°C)	-36	-37	-37	-47
BP Boil Point (°C)	107	107	107	108

pH

	19-Aug-25	19-Sep-24	07-Mar-24	06-Jan-23
pH pH	8.0	8.0	8.2	8.5

CONDUCTIVITY (µS/cm)

	19-Aug-25	19-Sep-24	07-Mar-24	06-Jan-23
CON Conductivity	3685	3531	3410	5083

PHYSICAL

	19-Aug-25	19-Sep-24	07-Mar-24	06-Jan-23
Oil Oil	none	none	none	none
Foam Foam	norm	norm	norm	norm

PHYSICAL CHARACTERISTICS

	19-Aug-25	19-Sep-24	07-Mar-24	06-Jan-23
Color Color	red	red	red	red
App Appearance	clear	clear	clear	clear
Odor Odor	norm	norm	norm	norm
PAmt Precip Amount	none	none	none	none

PHYSICAL

	19-Aug-25	19-Sep-24	07-Mar-24	06-Jan-23
Color Color	red	red	red	red
App Appearance	clear	clear	clear	clear
Odor Odor	norm	norm	norm	norm
PAmt Precip Amount	none	none	none	none

CORROSION LEVELS/ CHEMISTRY

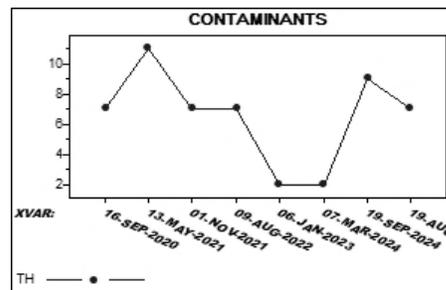
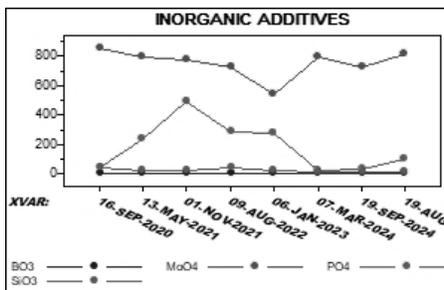
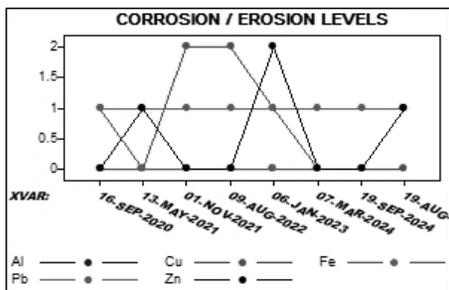
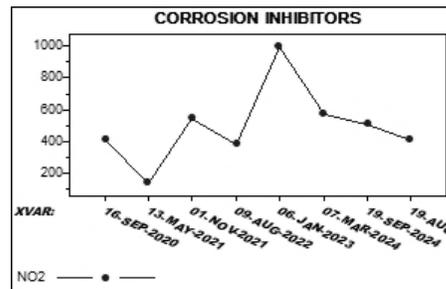
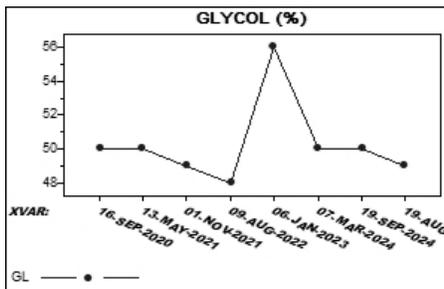
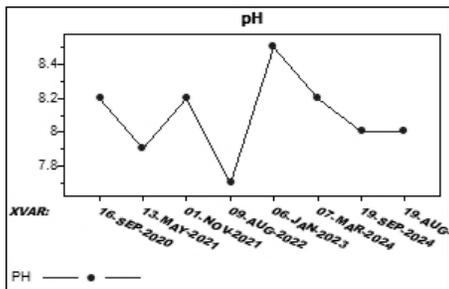
	19-Aug-25	19-Sep-24	07-Mar-24	06-Jan-23
ELEMENTAL ANALYSIS (PPM)				
Cu Copper	0	0	0	1
Fe Iron	1	0	0	0
Pb Lead	1	1	1	1
Sn Tin	0	0	0	0
Al Aluminum	1	0	0	0
Zn Zinc	1	0	0	2
Na Sodium	3068	2995	3234	4110
K Potassium	50	13	17	318
Mo Molybdenum	491	437	478	324

ANION ANALYSIS (PPM)

	19-Aug-25	19-Sep-24	07-Mar-24	06-Jan-23
NO2 Nitrite	412	506	569	989

ADDITIONAL ANALYTES (PPM)

	19-Aug-25	19-Sep-24	07-Mar-24	06-Jan-23
MoO4 Molybdate	818	728	797	540
BO3 Borate	0	5	0	0
SiO3 Silicate	14	8	8	19



Report Comment

February 27, 2026, SOS Web functionality will transition to VisionLink®. Begin the transition to VisionLink now - Sign up or log in to vlcat.com to update your settings, manage your fleet, configure your jobsites (groups) and notifications. Once the transition occurs on February 27, 2026, the following functionality will be available in VisionLink: submit samples, track samples, view and graph sample history, and view/download reports. SOS Web will no longer be available on March 2, 2026.



ENGINE

EQUIP NUM: 31-100

SERIAL NUMBER: DY901700

CAT 299D3

No Action Required

**Interp By: Chris Gillis
Interpreted On: 27-Feb-26**

E500-56058-0021

SAMPLE SHIP TIME (days) : 3

ELDER CORPORATION

RECEIVED DATE: 26-Feb-26

RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT . NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

SAMPLE INFORMATION

	24-Feb-26	19-Aug-25	06-Dec-24	19-Sep-24
Sampled Date	24-Feb-26	19-Aug-25	06-Dec-24	19-Sep-24
Sample Id	E500-56058-0021	E500-55233-0028	E500-54344-0137	E500-54267-0016
Lab Date	27-Feb-26	21-Aug-25	09-Dec-24	23-Sep-24
Meter [Hr]	4432	4113	3861	3563
Meter On Fluid	319	252	298	249
Fluid Brand	CHEVRON	CHEVRON	CHEVRON	CHEVRON
Fluid Weight	15W-40	15W-40	15W-40	15W-40
Fluid Type				
Fluid Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

For additional sample history, go to:

S.O.S WEB

CONDITION / CONTAMINATION

	24-Feb-26	19-Aug-25	06-Dec-24	19-Sep-24
VISCOSITY (CENTISTOKES)				
V100 Viscosity at 100 C	12.90	13.40	13.10	13.50

WEAR LEVELS / ADDITIVES

	24-Feb-26	19-Aug-25	06-Dec-24	19-Sep-24
ELEMENTAL ANALYSIS (PPM)				
Cu Copper	2	0	1	3
Fe Iron	18	14	11	12
Cr Chromium	0	0	0	0
Al Aluminium	2	1	2	3
Pb Lead	0	0	0	0
Sn Tin	0	0	0	0
Si Silicon	7	5	5	7
Na Sodium	4	3	2	1
K Potassium	4	3	2	2
Mo Molybdenum	91	89	76	81
Ni Nickel	0	0	0	0
Ag Silver	0	0	0	0
Ti Titanium	0	0	0	4
V Vanadium	0	0	0	0
Mn Manganese	0	0	0	0
Cd Cadmium	0	0	0	0
Ca Calcium	1729	1570	1536	1558
P Phosphorus	1283	1133	1005	977
Zn Zinc	1478	1366	1291	1101
Mg Magnesium	487	425	422	578
Ba Barium	0	0	0	0
B Boron	392	380	348	260

INFRARED (UFM)

	24-Feb-26	19-Aug-25	06-Dec-24	19-Sep-24
ST Soot	9	10	9	11
OXI Oxidation	17	17	17	16
NIT Nitration	0	0	0	0
SUL Sulfate By-Product	23	23	23	22
Sulfur Products	23	23	23	22

CLEANLINESS

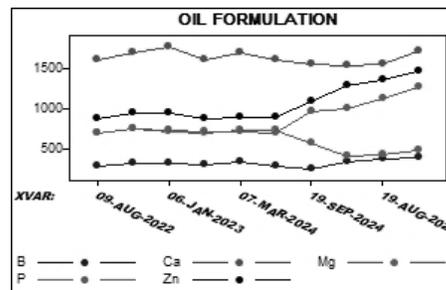
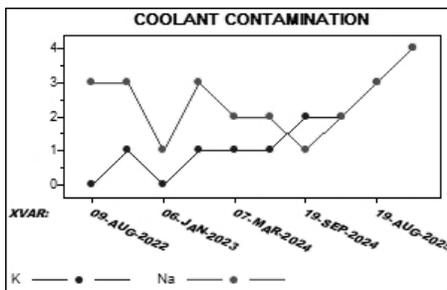
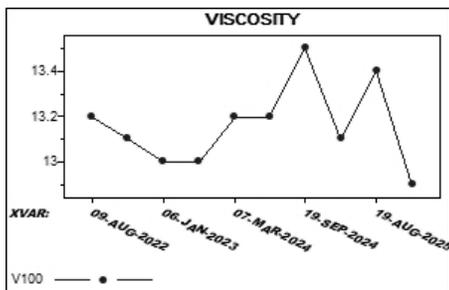
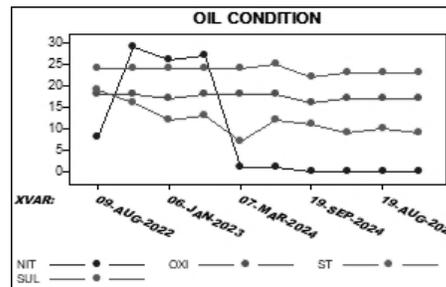
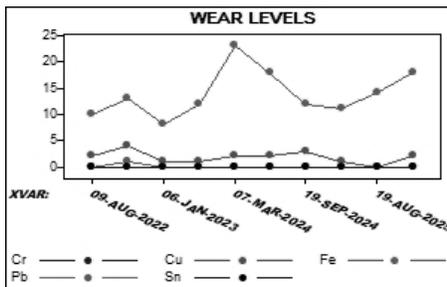
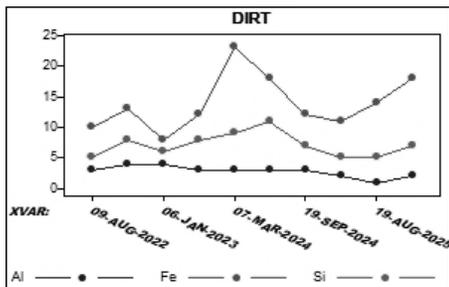
	24-Feb-26	19-Aug-25	06-Dec-24	19-Sep-24
PQ INDEX				
PQI PQ Index	6	6	5	7

WATER

	24-Feb-26	19-Aug-25	06-Dec-24	19-Sep-24
W Water	N	N	N	N

FUEL

	24-Feb-26	19-Aug-25	06-Dec-24	19-Sep-24
F Fuel	N	N	N	N



Report Comment

February 27, 2026, SOS Web functionality will transition to VisionLink®. Begin the transition to VisionLink now - Sign up or log in to vlcat.com to update your settings, manage your fleet, configure your jobsites (groups) and notifications. Once the transition occurs on February 27, 2026, the following functionality will be available in VisionLink: submit samples, track samples, view and graph sample history, and view/download reports. SOS Web will no longer be available on March 2, 2026.



HYDRAULIC SYSTEM

EQUIP NUM: 31-100

SERIAL NUMBER: DY901700

CAT 299D3

No Action Required

Interp By: Chris Gillis
Interpreted On: 27-Feb-26

E500-56058-2011

SAMPLE SHIP TIME (days) : 3

ELDER CORPORATION

RECEIVED DATE: 26-Feb-26

RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT
. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT
RECOMMENDED INTERVALS.

SAMPLE INFORMATION

	24-Feb-26	19-Aug-25	06-Dec-24	19-Sep-24
Sampled Date	24-Feb-26	19-Aug-25	06-Dec-24	19-Sep-24
Sample Id	E500-56058-2011	E500-55233-2020	E500-54344-2068	E500-54267-2004
Lab Date	27-Feb-26	21-Aug-25	09-Dec-24	23-Sep-24
Meter [Hr]	4432	4113	3861	3563
Meter On Fluid	319	2048	1796	1498
Fluid Brand	CHEVRON	CHEVRON	CHEVRON	CHEVRON
Fluid Weight	10W	10W	10W	10W
Fluid Type				
Fluid Change	N	Y	N	N
Filter Change	N	Y	N	N
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED
NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS
INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY
SAMPLING AT RECOMMENDED INTERVALS.

For additional sample history, go to:

S.O.S WEB

CONDITION / CONTAMINATION

	24-Feb-26	19-Aug-25	06-Dec-24	19-Sep-24
VISCOSITY (CENTISTOKES)				
V100 Viscosity at 100 C	6.800	6.800	6.500	6.400

INFRARED (UFM)

	24-Feb-26	19-Aug-25	06-Dec-24	19-Sep-24
ST Soot	0	0	0	0
OXI Oxidation	6	6	5	5
NIT Nitration	0	0	0	0
SUL Sulfate By-Product	14	13	14	13
Sulfur Products	14	13	14	13

PARTICLE COUNT

ISO	ISO Code Rating	22/19/13	18/15/13	20/16/13	20/17/11
ISO	ISO Code Rating	22/19/13	18/15/13	20/16/13	20/17/11

LRG PARTICLE DETECT

PC Ra	PC Rating	NVP	NVP
PC Ra	PC Rating	NVP	NVP

CLEANLINESS

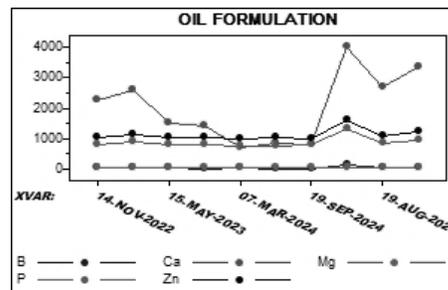
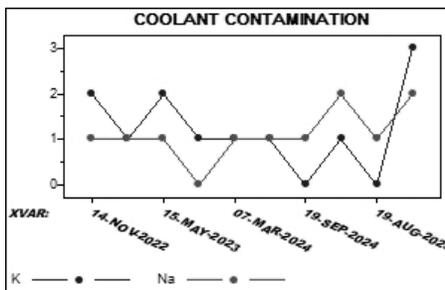
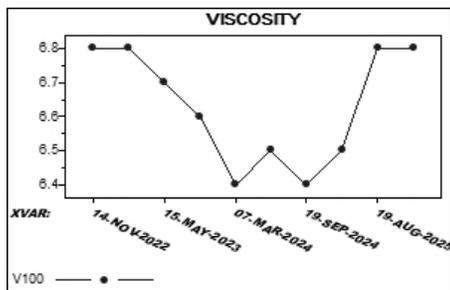
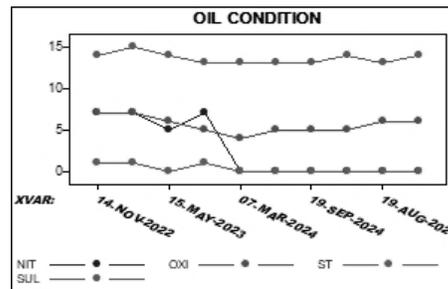
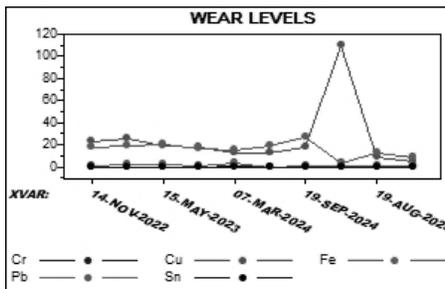
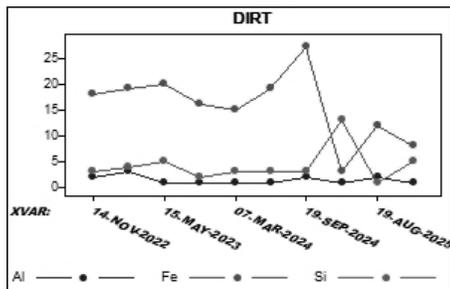
	24-Feb-26	19-Aug-25	06-Dec-24	19-Sep-24
PQ INDEX				
PQI PQ Index	5	3	4	8

WATER

W	Water	N	N	N	N
W	Water	N	N	N	N

WEAR LEVELS / ADDITIVES

	24-Feb-26	19-Aug-25	06-Dec-24	19-Sep-24
ELEMENTAL ANALYSIS (PPM)				
Cu Copper	4	8	109	18
Fe Iron	8	12	3	27
Cr Chromium	0	0	0	0
Al Aluminium	1	2	1	2
Pb Lead	1	1	1	1
Sn Tin	0	0	0	0
Si Silicon	5	1	13	3
Na Sodium	2	1	2	1
K Potassium	3	0	1	0
Mo Molybdenum	7	5	0	2
Ni Nickel	0	0	0	0
Ag Silver	0	0	0	0
Ti Titanium	0	0	0	0
V Vanadium	0	0	0	0
Mn Manganese	0	0	0	1
Cd Cadmium	0	0	0	0
Ca Calcium	3337	2694	3995	813
P Phosphorus	939	842	1312	768
Zn Zinc	1196	1098	1575	959
Mg Magnesium	42	35	19	12
Ba Barium	0	0	1	0
B Boron	15	19	108	5



Report Comment

February 27, 2026, SOS Web functionality will transition to VisionLink®. Begin the transition to VisionLink now - Sign up or log in to vlcat.com to update your settings, manage your fleet, configure your jobsites (groups) and notifications. Once the transition occurs on February 27, 2026, the following functionality will be available in VisionLink: submit samples, track samples, view and graph sample history, and view/download reports. SOS Web will no longer be available on March 2, 2026.



FINAL DRIVE REAR LEFT

EQUIP NUM: 31-100

SERIAL NUMBER: DY901700

CAT 299D3

No Action Required

**Interp By: Chris Gillis
Interpreted On: 27-Feb-26**

E500-56058-1037

SAMPLE SHIP TIME (days) : 3

ELDER CORPORATION

RECEIVED DATE: 26-Feb-26

RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT . NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

SAMPLE INFORMATION

	24-Feb-26	19-Aug-25	06-Dec-24	17-Sep-24
Sampled Date	24-Feb-26	19-Aug-25	06-Dec-24	17-Sep-24
Sample Id	E500-56058-1037	E500-55233-1032	E500-54344-1091	E500-54267-1003
Lab Date	27-Feb-26	21-Aug-25	09-Dec-24	23-Sep-24
Meter [Hr]	4432	4113	3861	3563
Meter On Fluid	319	252	298	249
Fluid Brand	CHEVRON	CHEVRON	CHEVRON	CHEVRON
Fluid Weight	85W-140	85W-140	85W-140	85W-140
Fluid Type	FDA	FDA	FDA	FDA
Fluid Change	Y	Y	Y	Y
Filter Change				
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

For additional sample history, go to:

S.O.S WEB

CONDITION / CONTAMINATION

	24-Feb-26	19-Aug-25	06-Dec-24	17-Sep-24
VISCOSITY (CENTISTOKES)				
V100 Viscosity at 100 C	24.20	22.40	23.60	22.90

WEAR LEVELS / ADDITIVES

	24-Feb-26	19-Aug-25	06-Dec-24	17-Sep-24
ELEMENTAL ANALYSIS (PPM)				
Cu Copper	4	0	0	1
Fe Iron	378	153	101	130
Cr Chromium	6	0	1	2
Al Aluminium	1	4	1	2
Pb Lead	0	0	0	0
Sn Tin	0	0	0	0
Si Silicon	4	25	8	8
Na Sodium	20	11	8	9
K Potassium	14	1847	2172	2044
Mo Molybdenum	0	0	0	0
Ni Nickel	0	0	0	0
Ag Silver	0	0	0	0
Ti Titanium	0	0	0	0
V Vanadium	0	0	0	0
Mn Manganese	2	0	1	1
Cd Cadmium	0	0	0	0
Ca Calcium	80	81	150	74
P Phosphorus	1340	503	422	438
Zn Zinc	79	0	36	12
Mg Magnesium	8	0	2	1
Ba Barium	12	0	0	0
B Boron	179	1602	2002	1590

INFRARED (UFM)

	24-Feb-26	19-Aug-25	06-Dec-24	17-Sep-24
ST Soot	0	0	0	0
OXI Oxidation	95	3	4	6
NIT Nitration	0	0	0	0
SUL Sulfate By-Product	119	16	21	21
Sulfur Products	119	16	21	21

PARTICLE COUNT

ISO	ISO Code Rating		DARK	H2O

LRG PARTICLE DETECT

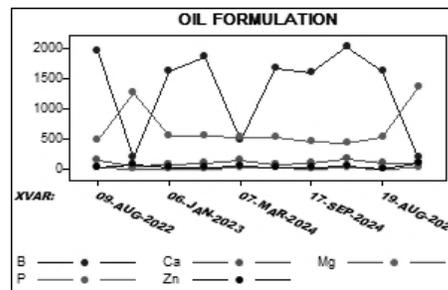
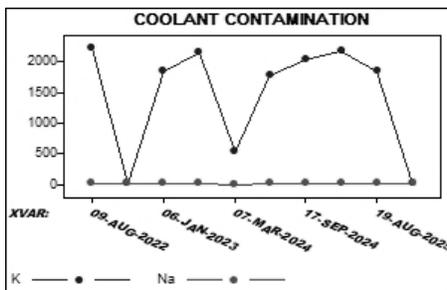
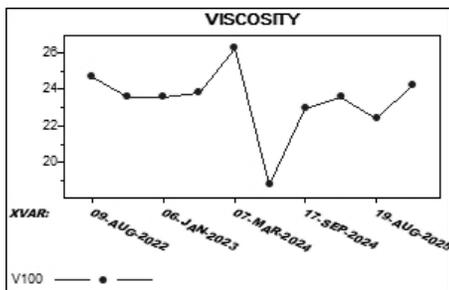
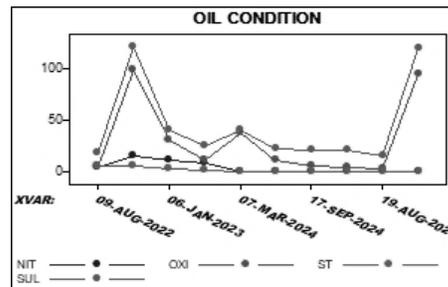
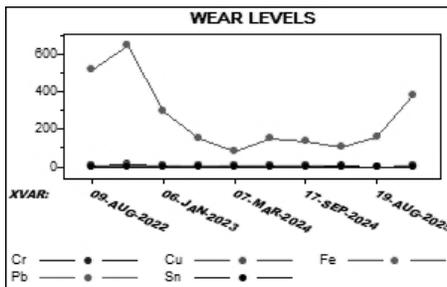
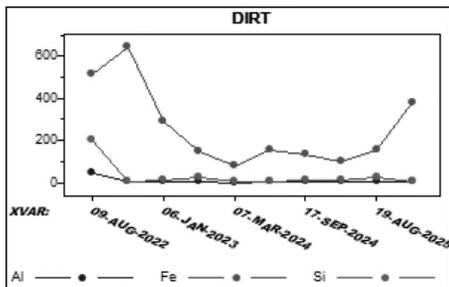
PC Ra	PC Rating	NVP	NVP

CLEANLINESS

	24-Feb-26	19-Aug-25	06-Dec-24	17-Sep-24
PQ INDEX				
PQI PQ Index	123	9	17	8

WATER

W	Water	N	N	N	T



Report Comment

February 27, 2026, SOS Web functionality will transition to VisionLink®. Begin the transition to VisionLink now - Sign up or log in to vlcat.com to update your settings, manage your fleet, configure your jobsites (groups) and notifications. Once the transition occurs on February 27, 2026, the following functionality will be available in VisionLink: submit samples, track samples, view and graph sample history, and view/download reports. SOS Web will no longer be available on March 2, 2026.



FINAL DRIVE REAR

EQUIP NUM: 31-100

SERIAL NUMBER: DY901700

RIGHT

CAT 299D3

No Action Required

Interp By: Chris Gillis
Interpreted On: 27-Feb-26

E500-56058-1038

SAMPLE SHIP TIME (days) : 3

ELDER CORPORATION

RECEIVED DATE: 26-Feb-26

RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT
. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT
RECOMMENDED INTERVALS.

SAMPLE INFORMATION

	24-Feb-26	19-Aug-25	06-Dec-24	17-Sep-24
Sampled Date	24-Feb-26	19-Aug-25	06-Dec-24	17-Sep-24
Sample Id	E500-56058-1038	E500-55233-1031	E500-54344-1092	E500-54267-1004
Lab Date	27-Feb-26	21-Aug-25	09-Dec-24	23-Sep-24
Meter [Hr]	4432	4113	3861	3563
Meter On Fluid	319	252	298	249
Fluid Brand	CHEVRON	CHEVRON	CHEVRON	CHEVRON
Fluid Weight	85W-140	85W-140	85W-140	85W-140
Fluid Type	FDA	FDA	FDA	FDA
Fluid Change	Y	Y	Y	Y
Filter Change				
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED
NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS
INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY
SAMPLING AT RECOMMENDED INTERVALS.

For additional sample history, go to:

S.O.S WEB

CONDITION / CONTAMINATION

		24-Feb-26	19-Aug-25	06-Dec-24	17-Sep-24
VISCOSITY (CENTISTOKES)					
V100	Viscosity at 100 C	24.90	21.70	23.50	22.60

WEAR LEVELS / ADDITIVES

		24-Feb-26	19-Aug-25	06-Dec-24	17-Sep-24
ELEMENTAL ANALYSIS (PPM)					
Cu	Copper	28	3	6	8
Fe	Iron	182	217	155	246
Cr	Chromium	1	1	3	4
Al	Aluminum	4	2	1	2
Pb	Lead	0	0	0	0
Sn	Tin	0	0	0	0
Si	Silicon	3	22	6	6
Na	Sodium	22	9	9	10
K	Potassium	12	1601	2263	2110
Mo	Molybdenum	0	0	0	0
Ni	Nickel	0	0	0	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Mn	Manganese	1	0	1	2
Cd	Cadmium	0	0	0	0
Ca	Calcium	31	98	98	80
P	Phosphorus	1318	472	452	450
Zn	Zinc	35	0	29	26
Mg	Magnesium	7	0	1	0
Ba	Barium	12	1	1	2
B	Boron	189	1446	2022	1687

INFRARED (UFM)

		24-Feb-26	19-Aug-25	06-Dec-24	17-Sep-24
ST	Soot	0	0	0	0
OXI	Oxidation	97	4	6	11
NIT	Nitration	0	0	0	0
SUL	Sulfate By-Product	118	15	22	24
	Sulfur Products	118	15	22	24

PARTICLE COUNT

ISO	ISO Code Rating			DARK	23/22/16
-----	-----------------	--	--	------	----------

LRG PARTICLE DETECT

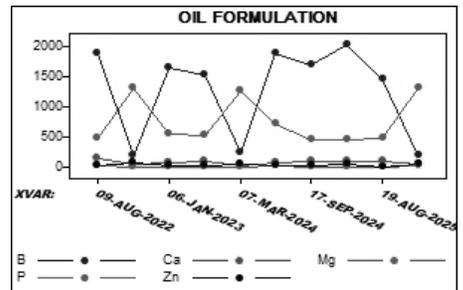
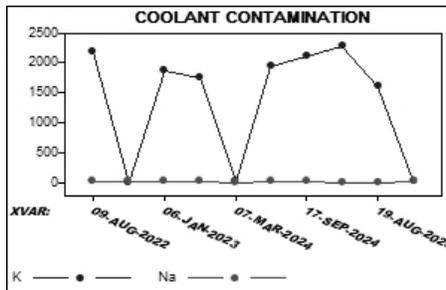
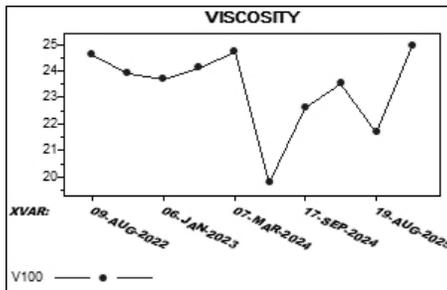
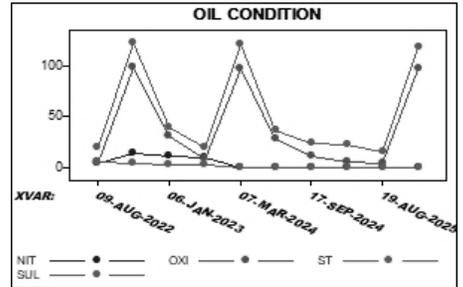
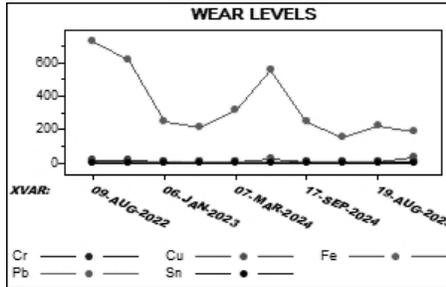
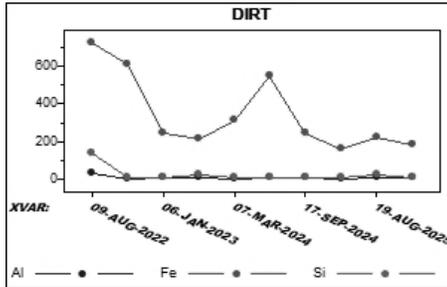
PC Ra	PC Rating	NVP	NVP		
-------	-----------	-----	-----	--	--

CLEANLINESS

		24-Feb-26	19-Aug-25	06-Dec-24	17-Sep-24
PQ INDEX					
PQI	PQ Index	62	17	18	11

WATER

W	Water	N	N	N	N
---	-------	---	---	---	---



Report Comment

February 27, 2026, SOS Web functionality will transition to VisionLink®. Begin the transition to VisionLink now - Sign up or log in to vlcat.com to update your settings, manage your fleet, configure your jobsites (groups) and notifications. Once the transition occurs on February 27, 2026, the following functionality will be available in VisionLink: submit samples, track samples, view and graph sample history, and view/download reports. SOS Web will no longer be available on March 2, 2026.