

Maintenance Work Order

Work Order: 87926
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 3/11/2026

Mechanic Name	Schedule Date	Work Complete?
Kyle R. Gerke	9/25/2025	<input checked="" type="checkbox"/>
Wade J. Smith	10/3/2025	<input checked="" type="checkbox"/>
John J. Lauber	10/13/2025	<input checked="" type="checkbox"/>
Michael G Laymance	10/23/2025	<input checked="" type="checkbox"/>
Colton L Webb	2/24/2026	<input checked="" type="checkbox"/>
John M. Pohlman	2/24/2026	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 24-U184	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading:	Hours: 3366	on 10/23/2025	by Kuhse, Kraig L.
	Odometer:	on	by
	Last Hour Service (Lifetime): 3363	(3363)	on 10/8/2025
	Last Odometer Service (Lifetime):		on

Problem Description: Prep for Auction. Bucket keeps falling off quick attach. Engine running rough. Replace #2,3 injectors. High soot load fault.

Maintenance Work Order

Work Order: 87926
Priority: Normal
Due Date:

Labor Items:

Work Code	Item Code	ST	OT	DT	
Diagnose	11 - Engine:DPF/DEF /SCR System		5.75	0.00	0.00
Diagnose	15 - Fuel System:Fuel Injectors		2.00	0.00	0.00
Diagnose	16 - Chassis / Suspension:Pin, Bushing, Bearing and Retainer		1.50	0.00	0.00
Hardsurface	25 - Attachments:Bucket		3.00	0.00	0.00
Install	27 - Cab / Body:Decals - Elder / Unit #		3.00	0.00	0.00
Parts Delivery or Pickup	16 - Chassis / Suspension:Pin, Bushing, Bearing and Retainer		1.00	0.00	0.00
Prep	10 - Inspection / Cleaning:Clean / Prep for Auction		5.75	0.00	0.00
Remove	27 - Cab / Body:Decals - Elder / Unit #		3.00	0.00	0.00
Repair	16 - Chassis / Suspension:Pin, Bushing, Bearing and Retainer		6.00	0.00	0.00
Repair	25 - Attachments:Bucket		4.50	0.00	0.00
Replace	13 - Lighting / Charging / Starting System:Batteries		2.50	0.00	0.00
Replace	15 - Fuel System:Fuel Injectors		4.50	0.00	0.00
Replace	27 - Cab / Body:Cab Suspension, Air, Bushing/mount, Sway Bar,Shock		0.25	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Maintenance Work Order

Work Order: 87926
Priority: Normal
Due Date:

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN002310105, Item Description: Battery, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN002108820, Item Description: Injector as, bolt, seal-inject, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN002311677, Item Description: Spring As-Ga, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN002108821, Item Description: Flange nut, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN002084244, Item Description: Pin, link as, spring, plate, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
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Maintenance Work Order

Work Order: 87926
Priority: Normal
Due Date:

Notes:

3/9/2026	Colton L Webb	3/6/26 - Brought the machine back in again to remove the DPF. found that it will much harder to access than we thought, and the found out that you have to remove the engine. Connected to ET and reset the soot load calculator and then did three manual regens.
3/4/2026	Colton L Webb	3/3/26 - Brought the machine in so that we could install the belly guards, and Ziegler came to look at the after treatment issue. I then later discussed with Taylor abut it and he had me price out a new DPF.
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.
2/26/2026	Colton L Webb	2/25/26 - Lifted the cab to make sure there wasn't any severe issues underneath. Ordered new cab struts, and installed the front step. J Mac installed the new battery in the machine. I pulled it out and tried to do a forced regen, in hopes of solving the after treatment issue.
2/25/2026	Colton L Webb	2/24/26 - Had to jump start the machine to bring up to the shop. Once we got it to the shop we then began to remove the decals and grind the unit numbers off. I ordered a new battery for the machine and will have to install once delivered.
10/26/2025	Michael G Laymance	Drove to job and hooked up computer found active high soot load level 3. Noticed there was a tick (possible mechanical failure) . Got unit up to temp and ran a cylinder cut out noticed that fuel delivery on 2 and 3 where lower than 1 and 4. Later found out that it has dead cylinders in it.
10/14/2025	John J. Lauber	10/13 - Found rough idle when cold. Performed cylinder cutout tests. Different RPM, different temps. Found cylinders 1,2, and 3 weak. Taylor advised to replace injectors on 2 and 3. Tore machine down to replace injectors. Reassembled machine. Ran machine, still has rough idle when cold.
10/8/2025	Wade J. Smith	Hard surface buckets. Park on berm.
10/7/2025	Wade J. Smith	Add a shim plates to bottom (lock pin) end of bucket quick attach plates. Check fit to machine. Touch up paint. Hardsurface touch up both buckets.
10/3/2025	Wade J. Smith	Check fit of buckets to machine. Set up in weld shop for repair.
9/28/2025	Kyle R. Gerke	9-26-25 Used press at the shop to put the lock pin assembly. Drove to job and mounted the lock pins. Realized that one was assembled wrong had to take it apart and put together correctly. Installed other lock pin. Tested the unit seemed a little better but still had big gap on bottom side. Bucket or quick attach need tightened up.
9/28/2025	Kyle R. Gerke	9-25-25 Tested machine and when the bucket is tilted down and moving machine backwards there is significant gap on bottom side but can see the lock pins for quick attach moving up. Inspected pins and found they were worn. Looked up parts and got them ordered. Went to Ziegler and picked up parts. Came back to job site. Removed the pin assembly. Went to assembly the new pin assembly and ciuld not get the springs compressed to install the roll pins. Need to comeback and finish machine up.

Maintenance Work Order

Work Order: 87896
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 10/13/2025

Mechanic Name	Schedule Date	Work Complete?
Timothy M. Kirkman	9/24/2025	<input checked="" type="checkbox"/>
Christopher J. Murano	9/24/2025	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 24-U184	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 3363 on 10/8/2025 by Timothy M. Kirkman
 Odometer: on by
 Last Hour Service (Lifetime): 3363 (3363) on 10/8/2025
 Last Odometer Service (Lifetime): on

Problem Description: PM1/250hr. Right final still high in iron and silicon. Flush and refill best as possible.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Perform	26 - PM / Service:PM's Hours:PM1/250		4.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
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Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Maintenance Work Order

Work Order: 87896
Priority: Normal
Due Date:

Notes:

10/8/2025 Timothy M. Kirkman Machine idles rough , even after service. Serviced in shop and power washed machine.

Maintenance Work Order

Work Order: 87412
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 9/15/2025

Mechanic Name	Schedule Date	Work Complete?
Kyle R. Gerke	9/4/2025	<input checked="" type="checkbox"/>
Chase A. Rose	9/8/2025	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 25-M123	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 3307 on 9/12/2025 by Kuhse, Kraig L.
 Odometer: on by
 Last Hour Service (Lifetime): 3112 (3112) on 6/26/2025
 Last Odometer Service (Lifetime): on

Problem Description: Fuel leakage 1239-1 coming up on dash. Bucket teeth need replace. Clean fuel filter bowl and replace filter. Clean engine air filters. Blow out 3 fuel lines coming off fuel priming pump.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Clean	11 - Engine:Air Filter		0.50	0.00	0.00
Clean	15 - Fuel System:Fuel Injection Lines		0.50	0.00	0.00
Diagnose	15 - Fuel System		3.50	0.00	0.00
Parts Delivery or Pickup	15 - Fuel System:Electric Fuel Transfer Pump		1.00	0.00	0.00
Replace	15 - Fuel System:Fuel Filter		0.50	0.00	0.00
Replace	23 - Cutting Edge / Teeth:Teeth, Pins and Retainers		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used
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Maintenance Work Order

Work Order: 87412
Priority: Normal
Due Date:

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: CM000281197, Item Description: CR filter gp, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN002051736, Item Description: Tooth, flat head screw,locknut, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN002051730, Item Description: Filter gp, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
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Notes:

9/8/2025	Chase A. Rose	9/8/25 - Was notified the unit needed the pick up tube modified and cleaned. Drove to unit and spoke with Kyle Gerke. the fuel tank was full upon my arrival so I wasn't able to perform modifications at this time. Noticed the fuel filter bowl was filthy with dirt, water and mold. Removed filter and deep cleaned fuel bowl and replaced filter. Blew out all 3 fuel lines coming off of the fuel filter base and verified the priming pump was working efficiently while running and off. Cleaned engine air filters and test ran unit for 20 minutes. Functions worked as they should with no leaks or codes and the unit held its RPMs. Returned unit to service.		
9/5/2025	Kyle R. Gerke	9-4-25 Ordered fuel pump before going to ames. Picked up parts and went to job. Tested fuel pump and had plenty of fuel coming threw it. Test ran unit never got code to come up and also had operator run it around code never came up. Checked stand pipe but the fuel tank was to full need to come back later to check it. Cut off all old bucket teeth and cleaned edge up. Installed new teeth and hardware.		

Maintenance Work Order

Work Order: 86182
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 7/14/2025

Mechanic Name	Schedule Date	Work Complete?
Chase A. Rose	7/12/2025	<input checked="" type="checkbox"/>
Michael G Laymance	7/12/2025	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 25-Q238	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 3146 on 7/11/2025 by Williams, Trevor L.
 Odometer: on by
 Last Hour Service (Lifetime): 3112 (3112) on 6/26/2025
 Last Odometer Service (Lifetime): on

Problem Description: Tracks wore out and need replaced. Rotate Sprockets. Bend back damaged tooth bucket.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Parts Delivery or Pickup	17 - Undercarriage:Rubber Track		1.00	0.00	0.00
Parts Delivery or Pickup	17 - Undercarriage:Segments		0.50	0.00	0.00
Repair	25 - Attachments:Bucket		1.50	0.00	0.00
Replace	17 - Undercarriage:Rubber Track		3.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: 1400179268, Item Description: Tracks, block pattern, Vendor Name: Pomp's Tire Service, Inc.	\$0.00
Parts		Invoice #: IN001985182, Item Description: Sprocket trk, Vendor Name: Ziegler, Inc.	\$0.00

Maintenance Work Order

Work Order: 86182
Priority: Normal
Due Date:

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Notes:

7/14/2025 Michael G Laymance Drove to job and replaced tracks and sprockets. Straightened bent bucket.

7/12/2025 Chase A. Rose 7/12/25 - Drove to shop and picked up tracks. Drove to Ziegler and picked up sprockets. Drove to job site and helped Mike L. replace tracks and repair bucket.

Maintenance Work Order

Work Order: 85570
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 6/30/2025

Mechanic Name	Schedule Date	Work Complete?
John M. Pohlman	6/9/2025	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 25-Q238	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 3112 on 6/26/2025 by John M. Pohlman
 Odometer: on by
 Last Hour Service (Lifetime): 3112 (3112) on 6/26/2025
 Last Odometer Service (Lifetime): on

Problem Description: PM3/1000hr. Right final spike in iron, aluminum and silicon.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Perform	26 - PM / Service:PM's Hours:PM3/1,000		3.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN001970788, Item Description: Spring as, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Notes:

6/26/2025 John M. Pohlman Done and washed at Rec Plex. Tooth bucket is bent on LH side. Tracks are junk. Replaced radiator cover shock.

Maintenance Work Order

Work Order: 84201
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 6/2/2025

Mechanic Name	Schedule Date	Work Complete?
Kyle R. Gerke	4/12/2025	<input checked="" type="checkbox"/>
Chase A. Rose	5/28/2025	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 24-N119	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 3080 on 5/30/2025 by Williams, Trevor L.
 Odometer: on by
 Last Hour Service (Lifetime): 2857 (2857) on 10/23/2024
 Last Odometer Service (Lifetime): on

Problem Description: Radiator hinge support is broke. Rear hood shock is bad. Replace fuel water separator filter. Replace belt cover and fasteners. Replace belts. Replace master hasp.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Parts Delivery or Pickup	11 - Engine:Belts		1.00	0.00	0.00
Replace	11 - Engine:Belts		1.00	0.00	0.00
Replace	13 - Lighting / Charging / Starting System:Master Switch and Cover		0.50	0.00	0.00
Replace	15 - Fuel System:Fuel Filter:Water Seperator		0.50	0.00	0.00
Replace	27 - Cab / Body:Hood Cable, Hinge and Support		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN001938649, Item Description: Guard-Belt, Fastener, Clip, , Vendor Name: Ziegler, Inc.	\$0.00

Maintenance Work Order

Work Order: 84201
Priority: Normal
Due Date:

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Notes:

5/30/2025	Chase A. Rose	5/30/25 - Picked up parts at Ziegler. Drove to job site. Replaced both belts and adjusted. Replaced belt cover and all mounting hardware. Replaced broken master hasp.			
5/28/2025	Chase A. Rose	5/28/25 - While on job site operator stated the unit threw a code for water in fuel. Verified code and replaced the fuel water separator filter. Cleaned connections and primed unit. Unit started right up and code went away.			
4/13/2025	Kyle R. Gerke	4-12-25 Hinge support is broken over radiator. Removed support and installed new one. Rear hood shock is bad ordered parts for unit.			

Maintenance Work Order

Work Order: 81590
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 10/28/2024

Mechanic Name	Schedule Date	Work Complete?
John M. Pohlman	10/14/2024	<input checked="" type="checkbox"/>

Equipment ID: 31-118 Description: Cat 289D3 Compact Track Loader
Work Order Job: 23-S562 VIN #
Current Job: 24-U184 Serial # JX905811
Current Location: 24-U184 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 289D3
Carrier Name:

Meter Reading: Hours: 2857 on 10/23/2024 by John M. Pohlman
Odometer: on by
Last Hour Service (Lifetime): 2857 (2857) on 10/23/2024
Last Odometer Service (Lifetime): on

Problem Description: PM1/250hr. Add coolant extender and conditioner to cooling system.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Perform	26 - PM / Service:PM's Hours:PM1/250		3.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
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Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Notes:

10/23/2024 John M. Pohlman Done and washed on Penn Ave.

Maintenance Work Order

Work Order: 79752
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 7/29/2024

Mechanic Name	Schedule Date	Work Complete?
Michael G Laymance	7/9/2024	<input checked="" type="checkbox"/>
Kyle R. Gerke	7/25/2024	<input checked="" type="checkbox"/>

Equipment ID:	31-118	Description:	Cat 289D3 Compact Track Loader
Work Order Job:	24-S595	VIN #	
Current Job:	24-U184	Serial #	JX905811
Current Location:	24-U184	License Plate #	
Equipment Foreman:		Make:	Cat
Work Order Foreman:		Model:	289D3
		Carrier Name:	

Meter Reading: Hours: 2649 on 7/29/2024 by Williams, Trevor L.
 Odometer: on by
 Last Hour Service (Lifetime): 2588 (2588) on 6/3/2024
 Last Odometer Service (Lifetime): on

Problem Description: Water in fuel light on. Unit is running rough, Ziegler replaced injectors at Cubesmart.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Diagnose	15 - Fuel System:Fuel Injectors		2.00	0.00	0.00
Parts Delivery or Pickup	15 - Fuel System:Fuel Cap		1.00	0.00	0.00
Replace	15 - Fuel System:Fuel Cap		1.00	0.00	0.00
Replace	15 - Fuel System:Fuel Filter:Water Seperator		1.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN001549616, Item Description: Cap-Fuel, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: SI000543888, Item Description: Travel to/from machine, Vendor Name: Ziegler, Inc.	\$0.00

Maintenance Work Order

Work Order: 79752
Priority: Normal
Due Date:

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Notes:

- 7/26/2024 Kyle R. Gerke 7-25-24 Unit is running rough like has a miss to it. Checked fuel system was getting fuel from fuel pump and lines were not kink any where. Hooked up computer and checked for codes. ?HAD no active codes. Did cylinder cut out test and #1 cylinder has no change in way the engine was running but other 3 cylinders could tell when injector cut out. Unit has warranty still and Ziegler come repair machine.
- 7/11/2024 Michael G Laymance Ordered fuel cap and picked it up. Drove to job and replaced fuel cap and added fuel dry to tank.
- 7/9/2024 Michael G Laymance Drove to job and drained water from filter. Replaced fuel/water separator.

Maintenance Work Order

Work Order: 79169
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 6/24/2024

Mechanic Name	Schedule Date	Work Complete?
Michael G Laymance	6/5/2024	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 24-S649	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 2605 on 6/10/2024 by Lewis, Jeff
 Odometer: on by
 Last Hour Service (Lifetime): 2588 (2588) on 6/3/2024
 Last Odometer Service (Lifetime): on

Problem Description: Engine door lock missing

Labor Items:

Work Code	Item Code	ST	OT	DT	
Parts Delivery or Pickup	27 - Cab / Body:Door Latch / Lock		0.50	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	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN001510226, Item Description: Lock As, Cam, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
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Maintenance Work Order

Work Order: 79169
Priority: Normal
Due Date:

Notes:

- 6/19/2024 Michael G Laymance Drove to job and replaced engine door latch.
- 6/5/2024 Michael G Laymance Looked up parts and ordered.

Maintenance Work Order

Work Order: 78638
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 6/11/2024

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

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 23-S579	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 2588 on 6/3/2024 by Timothy M. Kirkman
 Odometer: on by
 Last Hour Service (Lifetime): 2588 (2588) on 6/3/2024
 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	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
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Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Maintenance Work Order

Work Order: 78638
Priority: Normal
Due Date:

Notes:

6/3/2024 Timothy M. Kirkman Serviced at Pleasant Hill Hy-vee for Rod Fuller. Serviced and power washed . Machine needs rear engine compartment lock assembly.

Maintenance Work Order

Work Order: 78238
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 4/15/2024

Mechanic Name	Schedule Date	Work Complete?
Kyle R. Gerke	4/10/2024	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 23-S579	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 2525 on 4/11/2024 by Kuhse, Kraig L.
 Odometer: on by
 Last Hour Service (Lifetime): 2328 (2328) on 11/9/2023
 Last Odometer Service (Lifetime): on

Problem Description: Cutting edge needs replaced.

Labor Items:

Work Code	Item Code	ST	OT	DT	
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 #: IN001438425, 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: 78238
Priority: Normal
Due Date:

Notes:

4/11/2024 Kyle R. Gerke Cut off bolts for cutting edge and replaced edge with new hardware. Tightened edge up and flipped bucket back over.

Maintenance Work Order

Work Order: 77133
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 1/11/2024

Mechanic Name	Schedule Date	Work Complete?
John M. Pohlman	1/3/2024	<input checked="" type="checkbox"/>
Ezequiel "Zeke" Banuelos Garcia	1/2/2024	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 23-S571	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 2454 on 12/22/2023 by Williams, Trevor L.
 Odometer: on by
 Last Hour Service (Lifetime): 2328 (2328) on 11/9/2023
 Last Odometer Service (Lifetime): on

Problem Description: Perform Winter Inspection.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Perform	10 - Inspection / Cleaning:Repair Inspection		4.50	0.00	0.00
Replace	27 - Cab / Body:Window Latch / Lock		0.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN001312343, Item Description: Latch As, Louvre As, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Maintenance Work Order

Work Order: 77133
Priority: Normal
Due Date:

Notes:

1/8/2024	John M. Pohlman	Brought unit into shop. Installed belly pans and tightened down the cab. Green tagged and parked in west lot.
1/4/2024	John M. Pohlman	Brought up to shop. Pulled belly pans. Looked over machine for Repairs. Found a hydraulic hose was leaking, cleaned off fitting, tightened fitting, and ran around and wasn't leaking again. Replaced left wind latch. Replaced vent cover.

Maintenance Work Order

Work Order: 76113
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 11/13/2023

Mechanic Name	Schedule Date	Work Complete?
John M. Pohlman	10/25/2023	<input checked="" type="checkbox"/>
Christopher J. Murano	10/25/2023	<input checked="" type="checkbox"/>
Timothy M. Kirkman	10/25/2023	<input checked="" type="checkbox"/>
Ezequiel "Zeke" Banuelos Garcia	10/25/2023	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 23-S553	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 2328 on 11/9/2023 by Ezequiel "Zeke" Banuelos Garcia

Odometer: on by

Last Hour Service (Lifetime): 2328 (2328) on 11/9/2023

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: 76113
Priority: Normal
Due Date:

Notes:

11/9/2023	Ezequiel "Zeke" Banuelos Garcia	Serviced and washed. Found metal in engine oil filter media. Filter has been saved.
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Maintenance Work Order

Work Order: 75998
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 10/24/2023

Mechanic Name	Schedule Date	Work Complete?
John J. Lauber	10/19/2023	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 23-S553	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 2288 on 10/23/2023 by Kuhse, Kraig L.
 Odometer: on by
 Last Hour Service (Lifetime): 2066 (2066) on 7/14/2023
 Last Odometer Service (Lifetime): on

Problem Description: Missing 1 bucket tooth.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Replace	23 - Cutting Edge / Teeth: Teeth, Pins and Retainers		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN001216251, Item Description: Locknut, Screw-Flat H, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Notes:

10/19/2023 John J. Lauber Replaced missing tooth.

Maintenance Work Order

Work Order: 73742
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 8/22/2023

Mechanic Name	Schedule Date	Work Complete?
Kyle R. Gerke	8/17/2023	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 22-S499	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 2156 on 8/21/2023 by Kuhse, Kraig L.
 Odometer: on by
 Last Hour Service (Lifetime): 2066 (2066) on 7/14/2023
 Last Odometer Service (Lifetime): on

Problem Description: A/C not working on unit.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Diagnose	28 - Air Conditioning / Heating System:Control, Cable, Switch, Relay, Wiring		2.00	0.00	0.00
Repair	28 - Air Conditioning / Heating System:Control, Cable, Switch, Relay, Wiring		2.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN001125895, Item Description: Switch, Thermostat, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Maintenance Work Order

Work Order: 73742
Priority: Normal
Due Date:

Notes:

- | | | |
|-----------|---------------|--|
| 8/19/2023 | Kyle R. Gerke | Unbolted cab and took apart heater box. Replaced thermostat and put back together. Replaced bad temp switch in cab. Test system and found not working still. Rechecked everything not getting power to switch relay. Looked at schematic and shows power comes from low pressure switch. I had power on wire but not to relay. Spliced in jumper wire and got system to work correctly. Tied wires up and put back together. |
| 8/17/2023 | Kyle R. Gerke | Test ran unit and had no cold air coming out. found compressor not kicking in. Had no power to compressor. Checked pressure were good had power threw switches. Had to keep stopping so guys could load trucks. Looked at relay and found if jumped powered compressor. Not getting switch power. looked at schematic and gets power from thermostat. Thermostat has power but nothing coming from it. Looked up parts and got them ordered. |

Maintenance Work Order

Work Order: 73083
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 7/24/2023

Mechanic Name	Schedule Date	Work Complete?
Ryan J Baker	7/17/2023	<input checked="" type="checkbox"/>

Equipment ID: 31-118 Description: Cat 289D3 Compact Track Loader
Work Order Job: 22-S522 VIN #
Current Job: 24-U184 Serial # JX905811
Current Location: 24-U184 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 289D3
Carrier Name:

Meter Reading: Hours: 2083 on 7/21/2023 by Lewis, Jeff
Odometer: on by
Last Hour Service (Lifetime): 2066 (2066) on 7/14/2023
Last Odometer Service (Lifetime): on

Problem Description: Repair belt guard, missing screws and retainers.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Repair	27 - Cab / Body:Belly Pan / All Guards		3.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
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Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Notes:

7/17/2023 Ryan J Baker Belt guard was missing 3 retaining screws. Replaced screws and retaining washers. Returned machine to crew.

Maintenance Work Order

Work Order: 73049
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 7/19/2023

Mechanic Name	Schedule Date	Work Complete?
Christopher J. Murano	7/14/2023	<input checked="" type="checkbox"/>
Ezequiel "Zeke" Banuelos Garcia	7/14/2023	<input checked="" type="checkbox"/>
John M. Pohlman	7/14/2023	<input checked="" type="checkbox"/>
Timothy M. Kirkman	7/14/2023	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 22-S522	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 2066 on 7/14/2023 by Christopher J. Murano

Odometer: on by

Last Hour Service (Lifetime): 2066 (2066) on 7/14/2023

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		9.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
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Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Maintenance Work Order

Work Order: 73049
Priority: Normal
Due Date:

Notes:

7/14/2023 Christopher J. Murano Clips that hold the belt cover on are missing only 2 out of 6. Washed machine.

Maintenance Work Order

Work Order: 71740
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 6/9/2023

Mechanic Name	Schedule Date	Work Complete?
Tanner J. Rose	5/8/2023	<input checked="" type="checkbox"/>

Equipment ID: 31-118 Description: Cat 289D3 Compact Track Loader
Work Order Job: 22-S495 VIN #
Current Job: 24-U184 Serial # JX905811
Current Location: 24-U184 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 289D3
Carrier Name:

Meter Reading: Hours: 1980 on 6/8/2023 by Lewis, Jeff
Odometer: on by
Last Hour Service (Lifetime): 1819 (1819) on 4/11/2023
Last Odometer Service (Lifetime): on

Problem Description: Swap tracks with auction machine 31-113.

Labor Items:

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

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
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Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Notes:

5/8/2023 Tanner J. Rose 5/8/2023 - Mike removed tracks from 31-113 to be swapped with 31-118 tracks. Removed tracks and installed tracks from other machine. Tensioned tracks and ran around to check track tension. Parked in the west lot.

Maintenance Work Order

Work Order: 71294
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 4/24/2023

Mechanic Name	Schedule Date	Work Complete?
Ryan J Baker	4/17/2023	<input checked="" type="checkbox"/>
Michael G Laymance	4/17/2023	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 23-R121	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 1842 on 4/19/2023 by Kuhse, Kraig L.
 Odometer: on by
 Last Hour Service (Lifetime): 1819 (1819) on 4/11/2023
 Last Odometer Service (Lifetime): on

Problem Description: Reinstall track

Labor Items:

Work Code	Item Code	ST	OT	DT	
Install	17 - Undercarriage:Rubber Track		4.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
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Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Maintenance Work Order

Work Order: 71294
Priority: Normal
Due Date:

Notes:

4/17/2023 Michael G Laymance Helped Ryan reinstall track and tension track.

4/17/2023 Ryan J Baker Track de-railed to the inside. Jacked up machine and detensioned tracks. Slid track over front and rear idlers. Tensioned track. Ran machine around and readjusted track tension. Returned machine to operator.

Maintenance Work Order

Work Order: 70922
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 4/19/2023

Mechanic Name	Schedule Date	Work Complete?
Christopher J. Murano	3/30/2023	<input checked="" type="checkbox"/>
Mark E. McNaughton	3/30/2023	<input checked="" type="checkbox"/>
John M. Pohlman	4/11/2023	<input checked="" type="checkbox"/>
Chase A. Rose	4/11/2023	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 23-R121	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 1819 on 4/11/2023 by John M. Pohlman
 Odometer: on by
 Last Hour Service (Lifetime): 1819 (1819) on 4/11/2023
 Last Odometer Service (Lifetime): on

Problem Description: PM1/250hr. Change hyd filter, cut and inspect for iron.

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	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
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Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Maintenance Work Order

Work Order: 70922
Priority: Normal
Due Date:

Notes:

4/11/2023 John M. Pohlman done, cut hydraulic filter open found some metal flakes, filter is on lube bench.

Maintenance Work Order

Work Order: 70802
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 3/28/2023

Mechanic Name	Schedule Date	Work Complete?
John J. Lauber	3/23/2023	<input checked="" type="checkbox"/>

Equipment ID: 31-118 Description: Cat 289D3 Compact Track Loader
Work Order Job: 22-S618 VIN #
Current Job: 24-U184 Serial # JX905811
Current Location: 24-U184 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 289D3
Carrier Name:

Meter Reading: Hours: 1762 on 3/27/2023 by Kuhse, Kraig L.
Odometer: on by
Last Hour Service (Lifetime): 1539 (1539) on 10/24/2022
Last Odometer Service (Lifetime): on

Problem Description: Machine died, has a code for water in fuel.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Replace	15 - Fuel System:Fuel Filter		3.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
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Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Notes:

3/23/2023 John J. Lauber Fuel filter was empty. Replaced fuel filter. Found water drain valve open. Primed machine. Ran machine.

Maintenance Work Order

Work Order: 70718
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 3/20/2023

Mechanic Name	Schedule Date	Work Complete?
Ryan J Baker	3/16/2023	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 22-S618	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 1714 on 2/22/2023 by Kuhse, Kraig L.
 Odometer: on by
 Last Hour Service (Lifetime): 1539 (1539) on 10/24/2022
 Last Odometer Service (Lifetime): on

Problem Description: Inspect cutting edge

Labor Items:

Work Code	Item Code	ST	OT	DT	
Adjust	23 - Cutting Edge / Teeth:Cutting Edge		2.00	0.00	0.00
Inspect	23 - Cutting Edge / Teeth:Cutting Edge		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN000919128, Item Description: Locknut, Screw, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN000919153, Item Description: Locknut, Screw, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Maintenance Work Order

Work Order: 70718
Priority: Normal
Due Date:

Notes:

3/16/2023 Ryan J Baker Drove to Ziegler to get hardware for cutting edge. Inspected cutting edge and found the ends to be worn to the bucket sidewalls. The edge was rotated and new hardware installed.

Maintenance Work Order

Work Order: 70205
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 2/14/2023

Mechanic Name	Schedule Date	Work Complete?
Mark E. McNaughton	1/25/2023	<input checked="" type="checkbox"/>
John J. Lauber	2/7/2023	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 22-S618	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 1702 on 12/20/2022 by Kraig L. Kuhse
 Odometer: on by
 Last Hour Service (Lifetime): 1539 (1539) on 10/24/2022
 Last Odometer Service (Lifetime): on

Problem Description: Repair inspection. Repair strobe light.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Inspect	10 - Inspection / Cleaning:Repair Inspection		1.50	0.00	0.00
Repair	13 - Lighting / Charging / Starting System:Strobe Light		2.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN000873325, Item Description: Plug A, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
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Maintenance Work Order

Work Order: 70205
Priority: Normal
Due Date:

Notes:

2/8/2023 John J. Lauber Installed belly pans. Repaired strobe light again.
1/25/2023 Mark E. McNaughton Drop cover and look over Repair wiring and replace bulb for strobe light.

Maintenance Work Order

Work Order: 69860
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 12/28/2022

Mechanic Name	Schedule Date	Work Complete?
Kyle R. Gerke	12/19/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 22-U143	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 1702 on 12/20/2022 by Kraig L. Kuhse
 Odometer: on by
 Last Hour Service (Lifetime): 1539 (1539) on 10/24/2022
 Last Odometer Service (Lifetime): on

Problem Description: Glow plugs not working.Ziegler to replace glow plugs

Labor Items:

Work Code	Item Code	ST	OT	DT	
Diagnose	11 - Engine:Ether Aid, Intake Heater, Glow Plugs		1.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: SI000283896, Item Description: Travel to/from machine, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: CM000166139a, Item Description: Relay As, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: IN000815703, Item Description: Relay As, Fuse, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Maintenance Work Order

Work Order: 69860
Priority: Normal
Due Date:

Notes:

12/19/2022 Kyle R. Gerke Glow plugs not working had no power at glow plugs. Fuse was blown replaced fuse and relay. Cycled plugs and blew fuse right away. Glow plugs are shorted and need replaced.

Maintenance Work Order

Work Order: 69547
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 12/6/2022

Mechanic Name	Schedule Date	Work Complete?
Ryan J Baker	11/30/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 21-S449	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 1651 on 12/5/2022 by Trevor L. Williams
 Odometer: on by
 Last Hour Service (Lifetime): 1539 (1539) on 10/24/2022
 Last Odometer Service (Lifetime): on

Problem Description: Fuel filter frozen. Wont start. Low coolant level.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Add Fluid	19 - Cooling System:Coolant		0.50	0.00	0.00
Repair	13 - Lighting / Charging / Starting System:Batteries		1.00	0.00	0.00
Repair	15 - Fuel System:Fuel Filter		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN000792263, Item Description: Filter As-Fu, Seal Kit, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Maintenance Work Order

Work Order: 69547
Priority: Normal
Due Date:

Notes:

11/30/2022 Ryan J Baker Machine had no coolant in overflow and was just below the sight glass in radiator. Added coolant to proper level. Machine would not start, inspected fuel system and found the drain bowl frozen solid. Disassembled bowl and removed ice. Reinstalled bowl on new fuel filter and installed onto machine. Machine had low battery voltage likely due to operator cranking engine before I came over. Charged battery and machine started correctly. Returned machine to operator.

Maintenance Work Order

Work Order: 68668
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 11/1/2022

Mechanic Name	Schedule Date	Work Complete?
Christopher J. Murano	10/14/2022	<input checked="" type="checkbox"/>
Timothy M. Kirkman	10/14/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 22-S478	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 1539 on 10/24/2022 by Timothy M. Kirkman
 Odometer: on by
 Last Hour Service (Lifetime): 1539 (1539) on 10/24/2022
 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	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
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Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Maintenance Work Order

Work Order: 68668
Priority: Normal
Due Date:

Notes:

10/24/2022 Timothy M. Kirkman Power washed machine.

Maintenance Work Order

Work Order: 68943
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 11/1/2022

Mechanic Name	Schedule Date	Work Complete?
John J. Lauber	10/27/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 21-S428	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 1563 on 10/31/2022 by Jeff Lewis
 Odometer: on by
 Last Hour Service (Lifetime): 1539 (1539) on 10/24/2022
 Last Odometer Service (Lifetime): on

Problem Description: Leak from the belly of machine.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Repair	14 - Hydraulic System:Hydraulic Fittings / Lines		2.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
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Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Notes:

10/27/2022 John J. Lauber Found fitting on the pressure side of pump came loose and blew out the oring. Replaced oring on fitting. Filled oil on machine. Ran machine.

Maintenance Work Order

Work Order: 68800
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 10/25/2022

Mechanic Name	Schedule Date	Work Complete?
Taylor J. Anderson	10/20/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 22-S478	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 1539 on 10/25/2022 by Jeff Lewis
 Odometer: on by
 Last Hour Service (Lifetime): 1539 (1539) on 10/24/2022
 Last Odometer Service (Lifetime): on

Problem Description: Repair inspection. Tighten engine belts. Replace door seal. Replace wiper blade. Replace horn. Tighten fitting on hydraulic pump under cab.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Adjust	11 - Engine:Belts		0.50	0.00	0.00
Inspect	10 - Inspection / Cleaning:Repair Inspection		0.50	0.00	0.00
Parts Delivery or Pickup	27 - Cab / Body:Windshield Wiper		0.50	0.00	0.00
Repair	27 - Cab / Body:Cab Door and Hinge		0.50	0.00	0.00
Replace	27 - Cab / Body:Air or City Horn		0.25	0.00	0.00
Replace	27 - Cab / Body:Windshield Wiper		0.25	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN000740726, Item Description: Horn As-12V, Cm Seal- Bulk, , Vendor Name: Ziegler, Inc.	\$0.00

Maintenance Work Order

Work Order: 68800
Priority: Normal
Due Date:

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Notes:

10/20/2022	Taylor J. Anderson	10/20/2022- Picked up parts from Ziegler and went to Waukee 8/9 job. Replaced front door seal and glued along bottom edge. Replaced wiper blade and horn.			
10/20/2022	Taylor J. Anderson	10/19/2022- Perform winter inspection for snow removal. Found belts loose, tightened them. Door seal bad, horn does not work and wiper needs replaced. Ordered all parts needed.			

Maintenance Work Order

Work Order: 68036
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 9/26/2022

Mechanic Name	Schedule Date	Work Complete?
Ryan J Baker	9/19/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 21-S450	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 1448 on 9/23/2022 by Trevor L. Williams
 Odometer: on by
 Last Hour Service (Lifetime): 1258 (1258) on 7/21/2022
 Last Odometer Service (Lifetime): on

Problem Description: Low battery voltage, replace belts and battery.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Adjust	11 - Engine:Belts:Water Pump		1.75	0.00	0.00
Parts Delivery or Pickup	13 - Lighting / Charging / Starting System:Batteries		1.00	0.00	0.00
Replace	11 - Engine:Belts		0.50	0.00	0.00
Replace	13 - Lighting / Charging / Starting System:Batteries		0.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN000698719, Item Description: Battery, V-Belt, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Maintenance Work Order

Work Order: 68036
Priority: Normal
Due Date:

Notes:

9/23/2022 Ryan J Baker The machine had codes for low voltage. I inspected the battery, belts and alternator. The main drive belt was loose and cracking. The A/C belt was starting to crack as well. The alternator was charging the battery properly but the battery remained at 11 volts when not being charged. I replaced the belts and battery and the machine now charges at 14 volts and functions correctly.

Maintenance Work Order

Work Order: 67279
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 8/23/2022

Mechanic Name	Schedule Date	Work Complete?
Kyle R. Gerke	8/17/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 22-S480	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 1336 on 8/19/2022 by Kraig L. Kuhse
 Odometer: on by
 Last Hour Service (Lifetime): 1258 (1258) on 7/21/2022
 Last Odometer Service (Lifetime): on

Problem Description: Both tracks need replaced.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Parts Delivery or Pickup	17 - Undercarriage:Rubber Track		1.00	0.00	0.00
Replace	17 - Undercarriage:Rubber Track		1.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: 1400088491, Item Description: BSTN Track, Vendor Name: Pomp's Tire Service, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
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Maintenance Work Order

Work Order: 67279
Priority: Normal
Due Date:

Notes:

8/17/2022 Kyle R. Gerke Drove to Shop picked up tracks then drove to VA job. Got machine up on blocks release track tension and removed tracks. Inspected undercarriage. Installed new tracks. Put unit back together loaded old tracks up and took back to shop.

Maintenance Work Order

Work Order: 67043
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 8/8/2022

Mechanic Name	Schedule Date	Work Complete?
Kyle R. Gerke	8/5/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 22-S497	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 1298 on 8/8/2022 by John M. Pohlman
 Odometer: on by
 Last Hour Service (Lifetime): 1258 (1258) on 7/21/2022
 Last Odometer Service (Lifetime): on

Problem Description: Cutting edge needs replaced.

Labor Items:

Work Code	Item Code	ST	OT	DT	
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 #: IN000642018, 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: 67043
Priority: Normal
Due Date:

Notes:

8/5/2022 Kyle R. Gerke Got bucket flipped cutting edge needs replaced. Cut off old bolts and installed new cutting edge and hardware.

Maintenance Work Order

Work Order: 66566
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 7/22/2022

Mechanic Name	Schedule Date	Work Complete?
Chase A. Rose	7/19/2022	<input checked="" type="checkbox"/>
Christopher J. Murano	7/19/2022	<input checked="" type="checkbox"/>
John M. Pohlman	7/19/2022	<input checked="" type="checkbox"/>
Timothy M. Kirkman	7/19/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 21-S454	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 1258 on 7/21/2022 by John M. Pohlman
 Odometer: on by
 Last Hour Service (Lifetime): 1258 (1258) on 7/21/2022
 Last Odometer Service (Lifetime): on

Problem Description: PM1/250r. Add ELC extender and conditioner to the 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	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
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Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Maintenance Work Order

Work Order: 66566
Priority: Normal
Due Date:

Notes:

7/21/2022 John M. Pohlman Done, In residential had to wait to start machine.

Maintenance Work Order

Work Order: 66336
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 7/12/2022

Mechanic Name	Schedule Date	Work Complete?
Travis B. Larkins	7/7/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-118 Description: Cat 289D3 Compact Track Loader
Work Order Job: 21-S455 VIN #
Current Job: 24-U184 Serial # JX905811
Current Location: 24-U184 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 289D3
Carrier Name:

Meter Reading: Hours: 1180 on 7/11/2022 by Kraig L. Kuhse
Odometer: on by
Last Hour Service (Lifetime): 991 (991) on 1/27/2022
Last Odometer Service (Lifetime): on

Problem Description: Inspect tracks

Labor Items:

Work Code	Item Code	ST	OT	DT	
Inspect	17 - Undercarriage:Rubber Track		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
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Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Notes:

7/8/2022 Travis B. Larkins 7-7

Inspect tracks. Don't need replaced at this time.

Maintenance Work Order

Work Order: 65557
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 6/6/2022

Mechanic Name	Schedule Date	Work Complete?
John J. Lauber	6/3/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 21-S459	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 1118 on 6/6/2022 by Jeff Lewis
 Odometer: on by
 Last Hour Service (Lifetime): 991 (991) on 1/27/2022
 Last Odometer Service (Lifetime): on

Problem Description: Water in fuel/water separator.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Diagnose	15 - Fuel System:Fuel Filter:Water Seperator		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
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Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Notes:

6/3/2022 John J. Lauber Drained water from the water separator. Checked fuel cap for fit, no issues found. Could not see any cracks or rubs that would allow water into the fuel system.

Maintenance Work Order

Work Order: 64532
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 4/26/2022

Mechanic Name	Schedule Date	Work Complete?
Nicholas J. Littell	4/18/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-118 Description: Cat 289D3 Compact Track Loader
Work Order Job: 21-S428 VIN #
Current Job: 24-U184 Serial # JX905811
Current Location: 24-U184 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 289D3
Carrier Name:

Meter Reading: Hours: 1042 on 4/25/2022 by Kraig L. Kuhse
Odometer: on by
Last Hour Service (Lifetime): 991 (991) on 1/27/2022
Last Odometer Service (Lifetime): on

Problem Description: The rear door doesn't open.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Adjust	27 - Cab / Body: Cab Door and Hinge		1.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
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Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Notes:

4/19/2022 Nicholas J. Littell adjusted the rear door latch and the door opens.

Maintenance Work Order

Work Order: 63470
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 2/8/2022

Mechanic Name	Schedule Date	Work Complete?
Travis B. Larkins	1/31/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 21-Z101	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 991 on 1/27/2022 by Christopher J. Murano

Odometer: on by

Last Hour Service (Lifetime): 991 (991) on 1/27/2022

Last Odometer Service (Lifetime): on

Problem Description: Replace engine door latch.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Replace	27 - Cab / Body:Door Latch / Lock		4.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN000413224, Item Description: Latch As, Striker As, Cam, Vendor Name: Ziegler, Inc.	\$0.00
Parts		Invoice #: CM000120992p, Item Description: Striker As, Latch As, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Maintenance Work Order

Work Order: 63470
Priority: Normal
Due Date:

Notes:

2/2/2022 Travis B. Larkins 2-1
Ordered parts and drove to Cat to pick up parts, then drove to Jordan Creek, removed lock assembly and installed new

Maintenance Work Order

Work Order: 63378
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 2/2/2022

Mechanic Name	Schedule Date	Work Complete?
Christopher J. Murano	1/21/2022	<input checked="" type="checkbox"/>
Timothy M. Kirkman	1/21/2022	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 21-Q174	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 991 on 1/27/2022 by Christopher J. Murano

Odometer: on by
 Last Hour Service (Lifetime): 991 (991) on 1/27/2022
 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		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: 63378
Priority: Normal
Due Date:

Notes:

1/27/2022 Christopher J. Murano Latch on the ENG. compartment door needs replaced.

Maintenance Work Order

Work Order: 63010
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 12/20/2021

Mechanic Name	Schedule Date	Work Complete?
Travis B. Larkins	12/17/2021	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 21-M274	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 942 on 12/17/2021 by Jeff Lewis
 Odometer: on by
 Last Hour Service (Lifetime): 747 (747) on 10/29/2021
 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		0.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
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Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Notes:

12/17/2021 Travis B. Larkins removed cutting edge, flipped it, installed with new bolts

Maintenance Work Order

Work Order: 61774
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 12/7/2021

Mechanic Name	Schedule Date	Work Complete?
John J. Lauber	12/3/2021	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 21-M274	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 902 on 12/6/2021 by Jeff Lewis
 Odometer: on by
 Last Hour Service (Lifetime): 747 (747) on 10/29/2021
 Last Odometer Service (Lifetime): on

Problem Description: Replace cutting edge. Replace beacon light.

Labor Items:

Work Code	Item Code	ST	OT	DT	
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
Parts		Invoice #: IN000347748, Item Description: Edge-Cuting, Locknut, Screw, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	

Notes:

12/3/2021 John J. Lauber Replaced beacon light. Replaced cutting edge. Old edge worn into the bucket.

Maintenance Work Order

Work Order: 61154
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 11/2/2021

Mechanic Name	Schedule Date	Work Complete?
Christopher J. Murano	10/28/2021	<input checked="" type="checkbox"/>
Chase A. Rose	10/28/2021	<input checked="" type="checkbox"/>
John M. Pohlman	10/28/2021	<input checked="" type="checkbox"/>
Timothy M. Kirkman	10/28/2021	<input checked="" type="checkbox"/>

Equipment ID: 31-118 Description: Cat 289D3 Compact Track Loader
Work Order Job: 21-M274 VIN #
Current Job: 24-U184 Serial # JX905811
Current Location: 24-U184 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 289D3
Carrier Name:

Meter Reading: Hours: 747 on 10/29/2021 by Timothy M. Kirkman
Odometer: on by
Last Hour Service (Lifetime): 747 (747) on 10/29/2021
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	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
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Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Maintenance Work Order

Work Order: 61154
Priority: Normal
Due Date:

Notes:

10/29/2021 Timothy M. Kirkman Looked good- lights all worked, good cutting edge. Power washed machine.

Maintenance Work Order

Work Order: 61162
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 11/1/2021

Mechanic Name	Schedule Date	Work Complete?
John J. Lauber	10/28/2021	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 21-M274	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 747 on 10/29/2021 by Timothy M. Kirkman
 Odometer: on by
 Last Hour Service (Lifetime): 747 (747) on 10/29/2021
 Last Odometer Service (Lifetime): on

Problem Description: Left cab support strut bent.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Diagnose	27 - Cab / Body: Cab Suspension, Air, Bushing/mount, Sway Bar, Shock		1.00	0.00	0.00
Replace	27 - Cab / Body: Cab Suspension, Air, Bushing/mount, Sway Bar, Shock		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN000307259, Item Description: , Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Maintenance Work Order

Work Order: 61162
Priority: Normal
Due Date:

Notes:

10/29/2021	John J. Lauber	Replaced left cab strut.
10/28/2021	John J. Lauber	Found left support bent. Ordered part.

Maintenance Work Order

Work Order: 60449
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 9/28/2021

Mechanic Name	Schedule Date	Work Complete?
John J. Lauber	9/23/2021	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 21-M274	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 626 on 9/27/2021 by Jeff Lewis
 Odometer: on by
 Last Hour Service (Lifetime): 504 (504) on 8/27/2021
 Last Odometer Service (Lifetime): on

Problem Description: Bottom cab door hinge broke.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Diagnose	27 - Cab / Body:Door Latch / Lock		0.50	0.00	0.00
Parts Delivery or Pickup	27 - Cab / Body:Door Latch / Lock		0.50	0.00	0.00
Replace	27 - Cab / Body:Door Latch / Lock		0.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN000260714, Item Description: Highe As-Bot, Handle As, Bush,, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used
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Maintenance Work Order

Work Order: 60449
Priority: Normal
Due Date:

Notes:

9/24/2021 John J. Lauber Found door latch broken off. Ordered and picked up parts from Ziegler. Replaced broken door hinge.

Maintenance Work Order

Work Order: 59674
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 9/14/2021

Mechanic Name	Schedule Date	Work Complete?
Nicholas J. Littell	9/7/2021	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 21-M274	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 561 on 9/9/2021 by Jeff Lewis
 Odometer: on by
 Last Hour Service (Lifetime): 504 (504) on 8/27/2021
 Last Odometer Service (Lifetime): on

Problem Description: LF idler leaking. Ziegler to repair at East Douglas job. Cutting edge needs replaced.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Replace	23 - Cutting Edge / Teeth:Cutting Edge		2.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	

Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: IN000239277, Item Description: Edge-Cutting, Locknut, Screw, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	

Notes:

9/8/2021 Nicholas J. Littell Replaced cutting edge.

Maintenance Work Order

Work Order: 59916
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 8/31/2021

Mechanic Name	Schedule Date	Work Complete?
Chase A. Rose	8/26/2021	<input checked="" type="checkbox"/>
Christopher J. Murano	8/26/2021	<input checked="" type="checkbox"/>
John M. Pohlman	8/26/2021	<input checked="" type="checkbox"/>
Timothy M. Kirkman	8/26/2021	<input checked="" type="checkbox"/>

Equipment ID: 31-118 Description: Cat 289D3 Compact Track Loader
Work Order Job: 21-M274 VIN #
Current Job: 24-U184 Serial # JX905811
Current Location: 24-U184 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 289D3
Carrier Name:

Meter Reading: Hours: 504 on 8/27/2021 by Christopher J. Murano
Odometer: on by
Last Hour Service (Lifetime): 504 (504) on 8/27/2021
Last Odometer Service (Lifetime): on

Problem Description: PM2/500hr. Add coolant conditioner.

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	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
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Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Maintenance Work Order

Work Order: 59916
Priority: Normal
Due Date:

Notes:

8/27/2021 Christopher J. Murano Waited for them to go to lunch. Added coolant extender. Washed machine.

Maintenance Work Order

Work Order: 59435
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 8/10/2021

Mechanic Name	Schedule Date	Work Complete?
Jacob H. Haws	8/5/2021	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 21-M274	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 388 on 8/10/2021 by Jeff Lewis
 Odometer: on by
 Last Hour Service (Lifetime): 253 (253) on 7/7/2021
 Last Odometer Service (Lifetime): on

Problem Description: Adjust tracks. RF idler bad. Ziegler to replace idler at East Douglas job.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Adjust	17 - Undercarriage:Rubber Track		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost
Parts		Invoice #: SI000107281, Item Description: Travel to/from Machine, Vendor Name: Ziegler, Inc.	\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Notes:

8/5/2021 Jacob H. Haws Adjusted tracks.

Maintenance Work Order

Work Order: 59111
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 7/27/2021

Mechanic Name	Schedule Date	Work Complete?
Nicholas J. Littell	7/20/2021	<input checked="" type="checkbox"/>

Equipment ID: 31-118 Description: Cat 289D3 Compact Track Loader
Work Order Job: 20-R375 VIN #
Current Job: 24-U184 Serial # JX905811
Current Location: 24-U184 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 289D3
Carrier Name:

Meter Reading: Hours: 327 on 7/26/2021 by Jeff Lewis
Odometer: on by
Last Hour Service (Lifetime): 253 (253) on 7/7/2021
Last Odometer Service (Lifetime): on

Problem Description: Door seal knocked off.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Repair	27 - Cab / Body:Cab Door and Hinge		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
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Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Notes:

7/21/2021 Nicholas J. Littell Blew out cab seal and glued it back on.

Maintenance Work Order

Work Order: 56525
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 7/13/2021

Mechanic Name	Schedule Date	Work Complete?
Christopher J. Murano	6/21/2021	<input checked="" type="checkbox"/>
Timothy M. Kirkman	6/21/2021	<input checked="" type="checkbox"/>
John M. Pohlman	6/21/2021	<input checked="" type="checkbox"/>
Josh W. King	7/7/2021	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job: 20-A284	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 253 on 7/7/2021 by Timothy M. Kirkman
 Odometer: on by
 Last Hour Service (Lifetime): 253 (253) on 7/7/2021
 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		4.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
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Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Maintenance Work Order

Work Order: 56525
Priority: Normal
Due Date:

Notes:

7/7/2021 Timothy M. Kirkman Machine has been working in portland and will not come clean. Hydraulic was pretty low. Tried to power wash machine.

Maintenance Work Order

Work Order: 54698
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 5/18/2021

Mechanic Name	Schedule Date	Work Complete?
Austin F. Stewart	5/11/2021	<input checked="" type="checkbox"/>

Equipment ID: 31-118 Description: Cat 289D3 Compact Track Loader
Work Order Job: 20-N235 VIN #
Current Job: 24-U184 Serial # JX905811
Current Location: 24-U184 License Plate #
Equipment Foreman: Make: Cat
Work Order Foreman: Model: 289D3
Carrier Name:

Meter Reading: Hours: 93 on 5/15/2021 by Jeff Lewis
Odometer: on by
Last Hour Service (Lifetime): on
Last Odometer Service (Lifetime): on

Problem Description: Door sensor loose.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Repair	27 - Cab / Body:Door Latch / Lock		1.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
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Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Notes:

5/11/2021 Austin F. Stewart Door sensor loose, tightened up.

Maintenance Work Order

Work Order: 54214
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 4/27/2021

Mechanic Name	Schedule Date	Work Complete?
Tanner J. Rose	4/21/2021	<input checked="" type="checkbox"/>

Equipment ID: 31-118	Description: Cat 289D3 Compact Track Loader
Work Order Job:	VIN #
Current Job: 24-U184	Serial # JX905811
Current Location: 24-U184	License Plate #
Equipment Foreman:	Make: Cat
Work Order Foreman:	Model: 289D3
	Carrier Name:

Meter Reading: Hours: 3 on 4/24/2021 by Tanner J. Rose
 Odometer: on by
 Last Hour Service (Lifetime): on
 Last Odometer Service (Lifetime): on

Problem Description: New machine prep.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Install	27 - Cab / Body:Decals - Elder / Unit #		1.00	0.00	0.00
Prep	10 - Inspection / Cleaning:New Equipment - Predelivery		2.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
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Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
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Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Maintenance Work Order

Work Order: 54214
Priority: Normal
Due Date:

Notes:

4/24/2021 Tanner J. Rose Installed strobe light, SMV sign. Filled up with fuel. Parked in west lot, Ready to go. Removed step, Installed elder decals and unit numbers. Attached corresponding buckets. Installed master lock lockout.



RADIATOR

EQUIP NUM: 31-118

SERIAL NUMBER: JX905811

CAT 289D3

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: 30-Jun-25

E500-55181-7002

SAMPLE SHIP TIME (days) : 4

ELDER CORPORATION

RECEIVED DATE: 27-Jun-25

SAMPLE INFORMATION

	26-Jun-25	03-Jun-24	14-Jul-23	24-Oct-22
Sampled Date	26-Jun-25	03-Jun-24	14-Jul-23	24-Oct-22
Sample Id	E500-55181-7002	E500-54157-7003	E500-53198-7058	E500-52299-7002
Lab Date	30-Jun-25	05-Jun-24	17-Jul-23	26-Oct-22
Meter [Hr]	3112	2588	2066	1539
Meter On Fluid				
Fluid Brand	CHEVRON	CHEVRON	CHEVRON	CHEVRON
Fluid Weight				
Fluid Type				
Fluid Change	N	N	N	N
Filter Change		N	N	N
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

NITRITES (NO2) ARE LOW. SODIUM NITRITE (NO2) IS TOO LOW TO PROVIDE ADEQUATE CORROSION/EROSION PROTECTION. ADD RECOMMENDED PRODUCT PER COOLANT MANUFACTURER. RESAMPLE AT NORMAL INTERVAL TO MONITOR COMPARTMENT.

For additional sample history, go to:

S.O.S WEB

PHYSICAL CHARACTERISTICS

	26-Jun-25	03-Jun-24	14-Jul-23	24-Oct-22
PO4 Phosphate	307	92	141	227
TH Total Hardness	0	0	0	0

REFRACTIVE INDEX

	26-Jun-25	03-Jun-24	14-Jul-23	24-Oct-22
GL Glycol (%)	49	50	50	49
FP Freeze Point (°C)	-36	-37	-37	-36
BP Boil Point (°C)	107	107	107	107

pH

	26-Jun-25	03-Jun-24	14-Jul-23	24-Oct-22
pH pH	8.2	7.4	7.5	7.8

CONDUCTIVITY (µS/cm)

	26-Jun-25	03-Jun-24	14-Jul-23	24-Oct-22
CON Conductivity	5214	4224	4334	4576

PHYSICAL

	26-Jun-25	03-Jun-24	14-Jul-23	24-Oct-22
Oil Oil	none	none	none	none
Foam Foam	norm	norm	norm	norm

PHYSICAL CHARACTERISTICS

	26-Jun-25	03-Jun-24	14-Jul-23	24-Oct-22
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

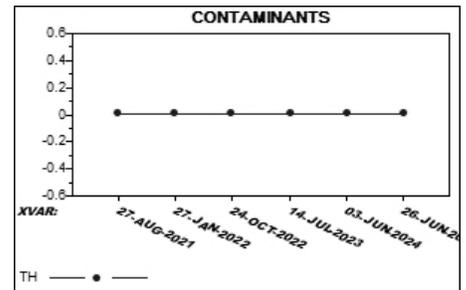
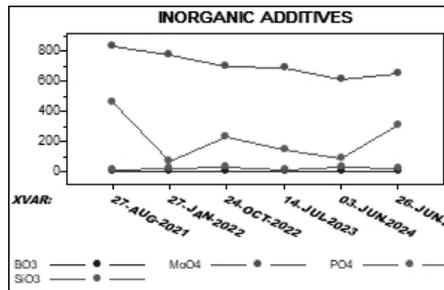
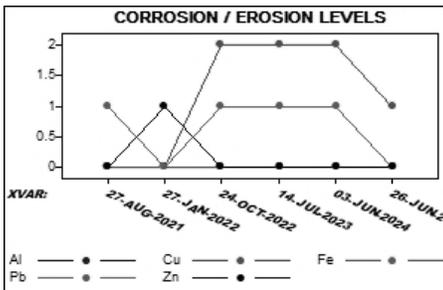
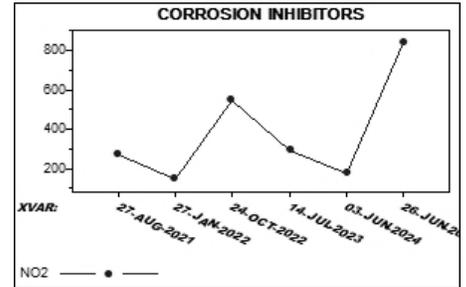
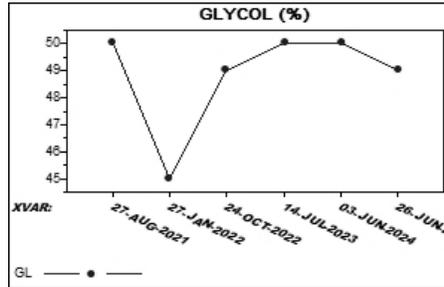
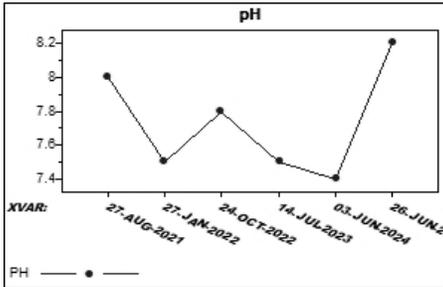
	26-Jun-25	03-Jun-24	14-Jul-23	24-Oct-22
ELEMENTAL ANALYSIS (PPM)				
Cu Copper	1	2	2	2
Fe Iron	0	0	0	0
Pb Lead	0	1	1	1
Sn Tin	0	0	0	0
Al Aluminum	0	0	0	0
Zn Zinc	0	0	0	0
Na Sodium	3450	2941	3274	3156
K Potassium	924	782	898	908
Mo Molybdenum	389	368	413	420

ANION ANALYSIS (PPM)

	26-Jun-25	03-Jun-24	14-Jul-23	24-Oct-22
NO2 Nitrite	834	175	290	546

ADDITIONAL ANALYTES (PPM)

	26-Jun-25	03-Jun-24	14-Jul-23	24-Oct-22
MoO4 Molybdate	648	613	688	700
BO3 Borate	0	0	0	0
SiO3 Silicate	22	35	11	35



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: 31-118

SERIAL NUMBER: JX905811

CAT 289D3

Monitor Compartment



ALUMINUM IS SLIGHTLY HIGH. ALUMINUM COULD INDICATE PISTON OR BEARING WEAR. WHEN YOU CHANGE THE OIL/FILTER CHECK FOR VISIBLE DEBRIS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Interp By: Chris Gillis
Interpreted On: 13-Oct-25

E500-55286-0017

SAMPLE SHIP TIME (days) : 5

ELDER CORPORATION

RECEIVED DATE: 10-Oct-25

SAMPLE INFORMATION

	08-Oct-25	26-Jun-25	23-Oct-24	03-Jun-24
Sampled Date	08-Oct-25	26-Jun-25	23-Oct-24	03-Jun-24
Sample Id	E500-55286-0017	E500-55181-0014	E500-54299-0027	E500-54157-0007
Lab Date	13-Oct-25	30-Jun-25	25-Oct-24	05-Jun-24
Meter [Hr]	3363	3112	2857	2588
Meter On Fluid	251	255	269	260
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

	08-Oct-25	26-Jun-25	23-Oct-24	03-Jun-24
VISCOSITY (CENTISTOKES)				
V100 Viscosity at 100 C	12.5	13.20	13.70	13.10

INFRARED (UFM)

	08-Oct-25	26-Jun-25	23-Oct-24	03-Jun-24
ST Soot	14	7	12	5
OXI Oxidation	18	18	18	20
NIT Nitration	1	0	0	1
SUL Sulfate By-Product	23	24	23	25
Sulfur Products	23	24	23	25

CLEANLINESS

	08-Oct-25	26-Jun-25	23-Oct-24	03-Jun-24
PQ INDEX				
PQI PQ Index	9	3	8	4

WATER

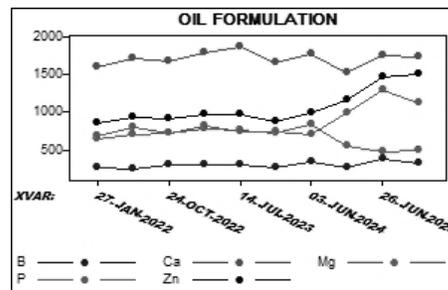
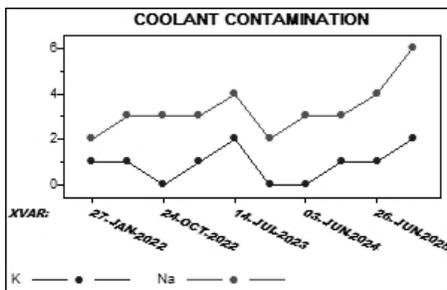
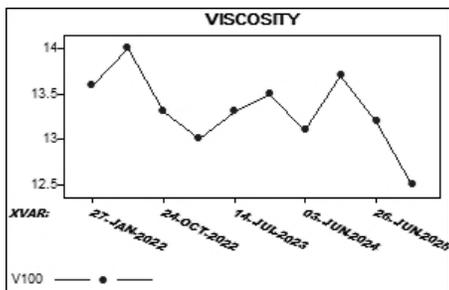
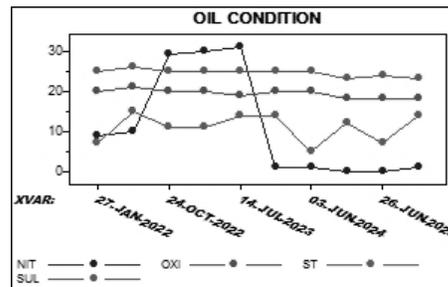
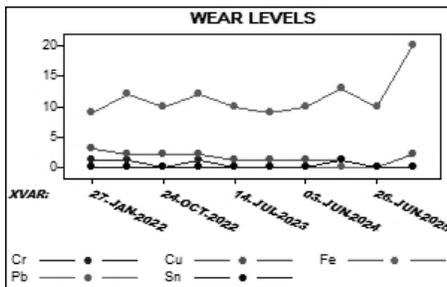
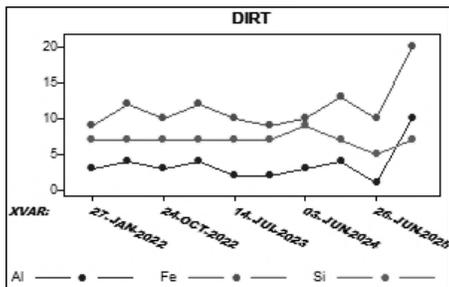
	08-Oct-25	26-Jun-25	23-Oct-24	03-Jun-24
W Water	N	N	N	N

FUEL

	08-Oct-25	26-Jun-25	23-Oct-24	03-Jun-24
F Fuel	N	N	N	N

WEAR LEVELS / ADDITIVES

	08-Oct-25	26-Jun-25	23-Oct-24	03-Jun-24
ELEMENTAL ANALYSIS (PPM)				
Cu Copper	2	0	1	1
Fe Iron	20	10	13	10
Cr Chromium	0	0	1	0
Al Aluminum	10	1	4	3
Pb Lead	0	0	0	0
Sn Tin	0	0	1	0
Si Silicon	7	5	7	9
Na Sodium	6	4	3	3
K Potassium	2	1	1	0
Mo Molybdenum	91	97	81	153
Ni Nickel	0	0	0	0
Ag Silver	1	0	0	0
Ti Titanium	0	0	3	0
V Vanadium	0	0	0	0
Mn Manganese	0	0	0	0
Cd Cadmium	0	0	0	0
Ca Calcium	1732	1745	1525	1770
P Phosphorus	1112	1296	988	709
Zn Zinc	1493	1472	1160	984
Mg Magnesium	486	481	553	838
Ba Barium	0	0	0	0
B Boron	321	381	264	342



Report Comment

VisionLink® will be the new home for S-O-SSM Services fluid analysis. Begin the transition to VisionLink now - Sign up or log into vlcat.com to update your settings, manage your fleet, configure your jobsites (groups), and view your samples. The ability for users to submit samples, track samples, view and graph sample history, and download reports are coming to VisionLink soon.



HYDRAULIC SYSTEM

EQUIP NUM: 31-118

SERIAL NUMBER: JX905811

CAT 289D3

No Action Required

**Interp By: Chris Gillis
Interpreted On: 13-Oct-25**

E500-55286-2011

SAMPLE SHIP TIME (days) : 5

ELDER CORPORATION

RECEIVED DATE: 10-Oct-25

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

	08-Oct-25	30-Jun-25	23-Oct-24	03-Jun-24
Sampled Date	08-Oct-25	30-Jun-25	23-Oct-24	03-Jun-24
Sample Id	E500-55286-2011	E500-55181-2009	E500-54299-2014	E500-54157-2013
Lab Date	13-Oct-25	30-Jun-25	25-Oct-24	05-Jun-24
Meter [Hr]	3363	3112	2857	2588
Meter On Fluid	1297	1046	791	522
Fluid Brand	CHEVRON	CHEVRON	CHEVRON	CHEVRON
Fluid Weight	10W	10W	10W	10W
Fluid Type				
Fluid Change	N	N	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

	08-Oct-25	30-Jun-25	23-Oct-24	03-Jun-24
VISCOSITY (CENTISTOKES)				
V100 Viscosity at 100 C	6.700	6.600	6.700	6.600

INFRARED (UFM)

	08-Oct-25	30-Jun-25	23-Oct-24	03-Jun-24
ST Soot	0	0	0	0
OXI Oxidation	7	6	6	6
NIT Nitration	0	0	0	0
SUL Sulfate By-Product	14	14	13	13
Sulfur Products	14	14	13	13

PARTICLE COUNT

ISO	ISO Code Rating	19/15/11	19/16/12	19/13/10	18/15/12

LRG PARTICLE DETECT

PC Ra	PC Rating	NVP	NVP

CLEANLINESS

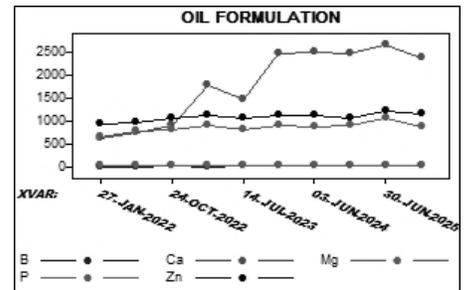
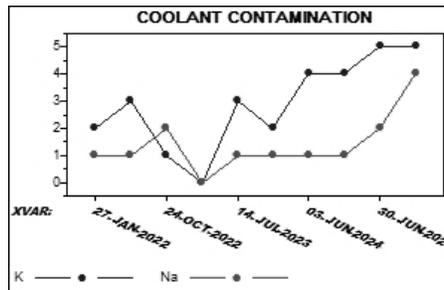
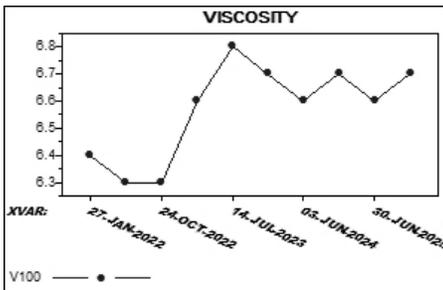
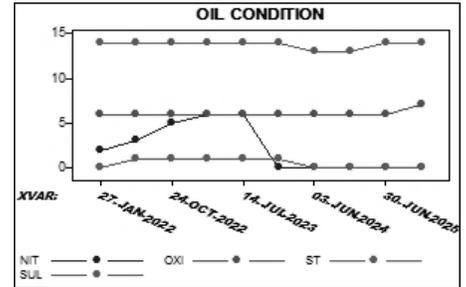
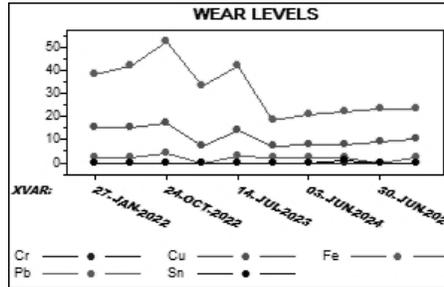
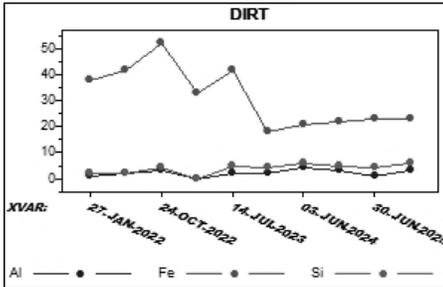
	08-Oct-25	30-Jun-25	23-Oct-24	03-Jun-24
PQ INDEX				
PQI PQ Index	6	1	9	12

WATER

W	Water	N	N	N	N

WEAR LEVELS / ADDITIVES

	08-Oct-25	30-Jun-25	23-Oct-24	03-Jun-24
ELEMENTAL ANALYSIS (PPM)				
Cu Copper	10	9	8	8
Fe Iron	23	23	22	21
Cr Chromium	0	0	0	0
Al Aluminum	3	1	3	4
Pb Lead	2	0	2	2
Sn Tin	0	0	1	0
Si Silicon	6	4	5	6
Na Sodium	4	2	1	1
K Potassium	5	5	4	4
Mo Molybdenum	4	4	6	6
Ni Nickel	0	0	0	0
Ag Silver	1	0	0	0
Ti Titanium	0	0	0	0
V Vanadium	0	0	0	0
Mn Manganese	0	0	0	0
Cd Cadmium	0	0	0	6
Ca Calcium	2373	2637	2473	2492
P Phosphorus	861	1055	903	872
Zn Zinc	1133	1210	1066	1121
Mg Magnesium	33	34	30	31
Ba Barium	0	0	0	0
B Boron	19	16	16	16



Report Comment

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FINAL DRIVE REAR LEFT

EQUIP NUM: 31-118

SERIAL NUMBER: JX905811

CAT 289D3

No Action Required

**Interp By: Chris Gillis
Interpreted On: 13-Oct-25**

E500-55286-1013

SAMPLE SHIP TIME (days) : 5

ELDER CORPORATION

RECEIVED DATE: 10-Oct-25

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

	08-Oct-25	26-Jun-25	23-Oct-24	03-Jun-24
Sampled Date	08-Oct-25	26-Jun-25	23-Oct-24	03-Jun-24
Sample Id	E500-55286-1013	E500-55181-1011	E500-54299-1013	E500-54157-1015
Lab Date	13-Oct-25	30-Jun-25	25-Oct-24	05-Jun-24
Meter [Hr]	3363	3112	2857	2588
Meter On Fluid	251	255	269	260
Fluid Brand	CHEVRON	CHEVRON	CHEVRON	CHEVRON
Fluid Weight	85W-140	85W-140	85W-140	85W-140
Fluid Type				
Fluid Change	Y	Y	Y	Y
Filter Change	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

	08-Oct-25	26-Jun-25	23-Oct-24	03-Jun-24
V100 Viscosity (CENTISTOKES)	24.50	24.60	21.70	24.50

INFRARED (UFM)

	08-Oct-25	26-Jun-25	23-Oct-24	03-Jun-24
ST Soot	0	0	0	0
OXI Oxidation	3	3	3	3
NIT Nitration	0	0	0	0
SUL Sulfate By-Product	15	19	16	20
Sulfur Products	15	19	16	20

PARTICLE COUNT

ISO	ISO Code Rating	23/21/16	24/23/18

LRG PARTICLE DETECT

PC Ra	PC Rating	NVP	NVP

CLEANLINESS

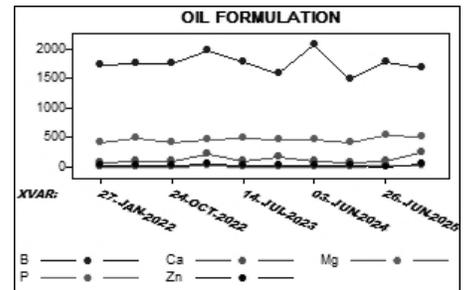
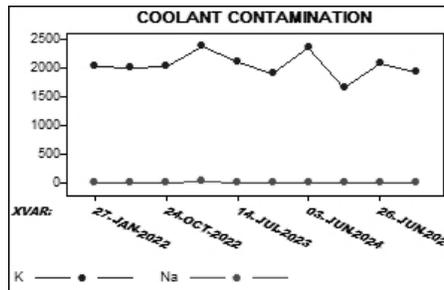
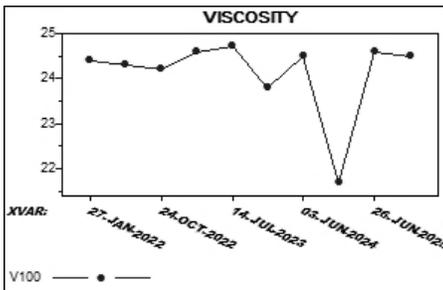
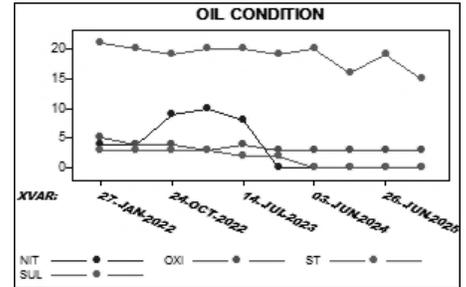
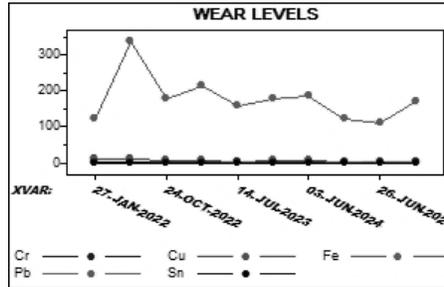
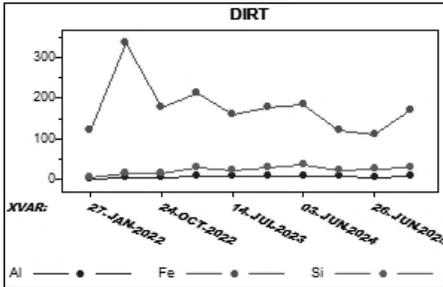
	08-Oct-25	26-Jun-25	23-Oct-24	03-Jun-24
PQI PQ Index	20	21	27	72

WATER

W	Water	N	N	N	N

WEAR LEVELS / ADDITIVES

	08-Oct-25	26-Jun-25	23-Oct-24	03-Jun-24
ELEMENTAL ANALYSIS (PPM)				
Cu Copper	1	1	4	6
Fe Iron	168	110	121	185
Cr Chromium	1	0	2	2
Al Aluminium	7	3	6	7
Pb Lead	0	0	1	0
Sn Tin	0	0	0	0
Si Silicon	28	24	21	34
Na Sodium	10	10	8	10
K Potassium	1925	2079	1650	2366
Mo Molybdenum	0	0	0	0
Ni Nickel	0	0	0	0
Ag Silver	1	0	0	0
Ti Titanium	0	0	0	0
V Vanadium	0	0	0	0
Mn Manganese	0	0	1	1
Cd Cadmium	0	0	0	3
Ca Calcium	228	82	74	95
P Phosphorus	494	532	410	458
Zn Zinc	30	0	4	6
Mg Magnesium	11	4	1	2
Ba Barium	0	0	0	0
B Boron	1670	1776	1494	2061



Report Comment

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FINAL DRIVE REAR

EQUIP NUM: 31-118

SERIAL NUMBER: JX905811

RIGHT

CAT 289D3

No Action Required

Interp By: Chris Gillis
Interpreted On: 13-Oct-25

E500-55286-1014

SAMPLE SHIP TIME (days) : 5

ELDER CORPORATION

RECEIVED DATE: 10-Oct-25

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

	08-Oct-25	26-Jun-25	23-Oct-24	03-Jun-24
Sampled Date	08-Oct-25	26-Jun-25	23-Oct-24	03-Jun-24
Sample Id	E500-55286-1014	E500-55181-1012	E500-54299-1014	E500-54157-1014
Lab Date	13-Oct-25	30-Jun-25	25-Oct-24	05-Jun-24
Meter [Hr]	3363	3112	2857	2588
Meter On Fluid	251	255	269	260
Fluid Brand	CHEVRON	CHEVRON	CHEVRON	CHEVRON
Fluid Weight	85W-140	85W-140	85W-140	85W-140
Fluid Type				
Fluid Change	Y	Y	Y	Y
Filter Change	N			N
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

SILICON AND ALUMINUM IN THIS RATIO USUALLY INDICATE DIRT ENTRY. CHECK FOR DIRT ENTRY (SEALS, BREATHER). FIND THE REASON DIRT IS ENTERING THIS COMPARTMENT. WHEN DIRT READINGS ARE ELEVATED, COMPONENT WEAR INCREASES. RESAMPLE AT HALF THE NORMAL INTERVAL.

For additional sample history, go to:

S.O.S WEB

CONDITION / CONTAMINATION

	08-Oct-25	26-Jun-25	23-Oct-24	03-Jun-24
VISCOSITY (CENTISTOKES)				
V100 Viscosity at 100 C	24.40	23.00	20.60	24.40

WEAR LEVELS / ADDITIVES

	08-Oct-25	26-Jun-25	23-Oct-24	03-Jun-24
ELEMENTAL ANALYSIS (PPM)				
Cu Copper	6	6	3	9
Fe Iron	207	304	373	239
Cr Chromium	1	1	5	4
Al Aluminum	8	16	22	13
Pb Lead	0	0	0	0
Sn Tin	0	0	0	0
Si Silicon	35	77	91	56
Na Sodium	10	12	11	10
K Potassium	1838	2135	1739	2190
Mo Molybdenum	0	0	0	0
Ni Nickel	0	0	1	0
Ag Silver	1	0	0	0
Ti Titanium	0	0	1	1
V Vanadium	0	0	0	0
Mn Manganese	0	0	3	2
Cd Cadmium	0	0	0	4
Ca Calcium	126	97	93	188
P Phosphorus	462	526	399	461
Zn Zinc	0	0	3	29
Mg Magnesium	9	6	4	5
Ba Barium	0	0	0	0
B Boron	1687	1782	1513	1902

INFRARED (UFM)

	08-Oct-25	26-Jun-25	23-Oct-24	03-Jun-24
ST Soot	0	0	0	0
OXI Oxidation	3	3	3	3
NIT Nitration	0	0	0	0
SUL Sulfate By-Product	15	20	18	20
Sulfur Products	15	20	18	20

PARTICLE COUNT

ISO ISO Code Rating			DARK	23/23/19
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LRG PARTICLE DETECT

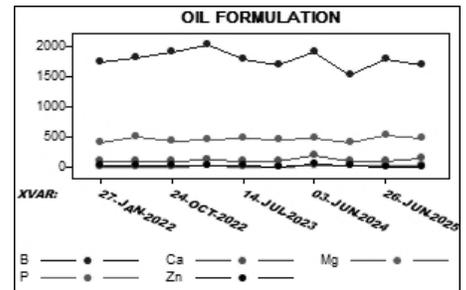
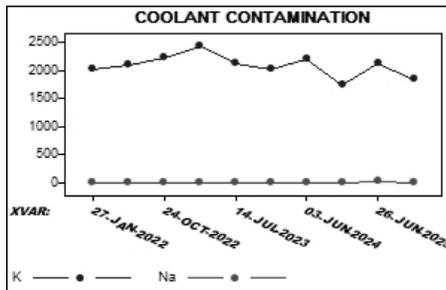
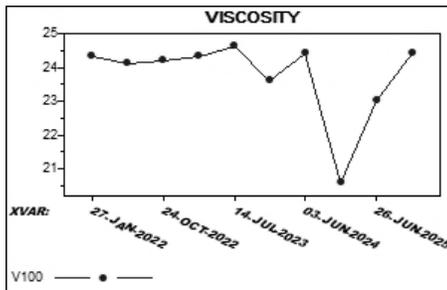
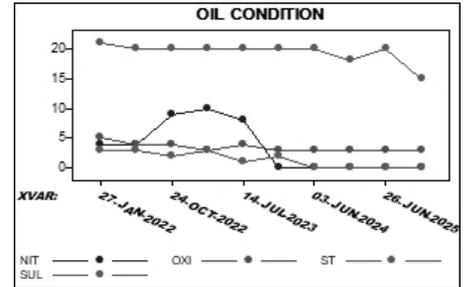
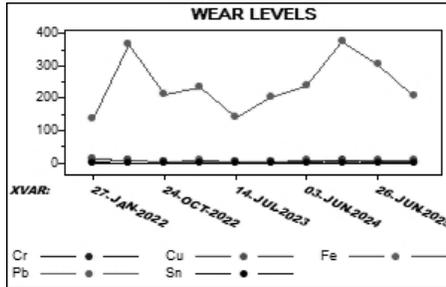
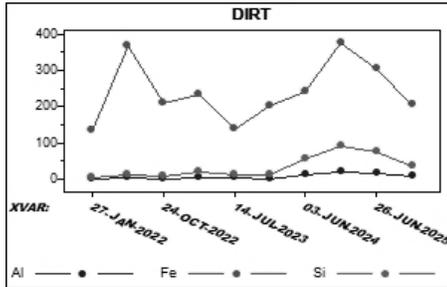
PC Ra PC Rating	NVP	NVP		
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CLEANLINESS

	08-Oct-25	26-Jun-25	23-Oct-24	03-Jun-24
PQ INDEX				
PQI PQ Index	19	38	95	118

WATER

W Water	N	N	N	N
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Report Comment

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