

Maintenance Work Order

Work Order: 154054
Priority: Normal
Due Date:

Labor Items:

Work Code	Item Code	ST	OT	DT	
Install	5-200 Transmission/Clutch:5-202 Torque		14.50	0.00	0.00
Install	5-400 Hydraulic:5-402 Hose		14.50	0.00	0.00
Perform	2-100 Engine		1.00	0.00	0.00
Perform	5-200 Transmission/Clutch:5-202 Torque		2.50	0.00	0.00
Remove	2-100 Engine		20.00	0.00	0.00
Remove	2-100 Engine:2-103 Cooling System		8.00	0.00	0.00
Remove	4-100 Body		4.00	0.00	0.00
Remove	5-200 Transmission/Clutch:5-202 Torque		14.00	0.00	0.00
Troubleshoot/Diagnose	3-100 Electrical/Keys:3-104 Starter		9.50	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:

Maintenance Work Order

Work Order: 152780
Priority: Normal
Due Date:

Scheduling:

Status: Closed
Status Date: 8/6/2025

Mechanic Name	Schedule Date	Work Complete?
Jeff Diep	6/5/2025	<input checked="" type="checkbox"/>
Steve Hills	6/4/2025	<input checked="" type="checkbox"/>
Jerald Blouin	6/5/2025	<input checked="" type="checkbox"/>
Addison Fosty	6/5/2025	<input checked="" type="checkbox"/>
Michael Wenger	6/11/2025	<input checked="" type="checkbox"/>
Austin Clowes	7/7/2025	<input checked="" type="checkbox"/>
Sheridan Cook	7/21/2025	<input checked="" type="checkbox"/>

Equipment ID: 48024 Description: Cat 627F
Work Order Job: RD VIN #
Current Job: 0003 Serial # 1DL00501
Current Location: 0003
Equipment Foreman:
Work Order Foreman:

Meter Reading: Hours: 770 on 6/4/2025 by Steve Hills
 Odometer: on by
 Last Hour Service (Lifetime): 770 (6380) on 6/11/2025
 Last Odometer Service (Lifetime): on

Problem Description: PM1, PM2, PM3, Rear engine is knocking

PM 1 (500 Hour)

- Change engine oil
- SOS engine oil
- Change engine oil filter
- Check engine air filter / Change if necessary
- Check all final drive oil levels
- Check hydraulic oil level
- Check transmission oil level
- Check antifreeze level
- Lubricate all grease points
- Check autolube grease level (If equipped)
- Perform visual inspection

PM 2 (500 Hour)

- Check cab air filter/Change if necessary
- SOS transmission oil
- SOS hydraulic oil
- SOS final drive oil
- Change fuel filters
- Change air filters

PM 3 (1,000 Hour)

- Check antifreeze strength
- Change final drive oil
- Change hydraulic filters

Maintenance Work Order

Work Order: 152780
Priority: Normal
Due Date:

Change antifreeze filter

june 5th remove rear engine from scraper. remove accessories JBlouin Jeff D.
 june 5, start ERI and related repairs, start pm1/2 addison f

JUNE 11TH, CLEAN UP PARTS, MOVE UNIT FOR SERVICE, ORDER PARTS FOR ENGINE INSTALL.
 JEFF, MIKE

start service on front engine 11/6/25 mike
 finish service on scrapper 16/6/25 mike

june 11, completed ERI and paperwork. addison f

JULY 7TH, BRING UNIT IN, ASSEMBLE ACCESSORIES ON THE ENGINE, INSTALL ENGINE, HOOK
 UP LINES, ELECTRICAL, INTAKE, MUFFLER. JEFF AND AUSTIN C.

JULY 8TH, INSTALL HOSES, ELECTRICAL, INSTALL RADIATOR AND GUARDS, START ENGINE,
 FOUND MULTIPLE OIL LEAKS, ORDER PARTS AND BEGIN REPAIRS. JEFF, AUSTIN C

july 8, helped fill coolant, help put on front skidplate, fixed coolant leak on upper rad hose, addison f.

july 9th, Ran engine up to temp, leaking engine oil found around turbo and exhaust manifold, removed turbo,
 ran engine and still leaking present, removed injectors and looked into cylinders. Austin C

JULY 16TH, LOOK OVER ENGINE AFTER NEW HEAD INSTALLED, TIGHTED UP SOME BOLTS,
 REPLACED OIL COOLER GASKET, INSTALLED HOODS, WARM UP AND TEST DRIVE. JEFF D

JULY 18TH, BRING UNIT IN, REMOVE RAD AND COOLANT, REMOVE FAN, HARNESSES AND
 HOSES TO ACCESS CRANK SEAL. JEFF D

JULY 21ST, REMOVE CRANK PULLEY AND SEAL, FOUND PULLEY IS DAMAGED, INSTALLED
 NEW WEAR SLEEVE WITH RETAINING COMPOUND, ATTEMPTED TO INSTALL SEAL INTO
 HOUSING AND THE HOUSING IS TOO BIG. ORDER PARTS TOMORROW, JEFF AND SHERIDAN.

JULY 22ND, FIGURE OUT ISSUE WITH SEAL HOUSING, ORDER NEW CRANK PULLEY AND SEAL
 HOUSING. JEFF

JULY 28TH, INSTALL NEW CRANK SEAL, PULLEY AND TRUNNION, REASSEMBLE THE REST OF
 THE ENGINE AND RADIATOR, CONNECT HOSES AND ELECTRICAL. FILL COOLANT, FOUND A
 COUPLE MORE LEAKS. JEFF D

JULY 29TH, RESEAL WATER PUMP, FILL COOLANT, TEST UNIT, RECHECK LEAKS. REINSTALL
 COVERS AND CLEAN UP. JEFF

Labor Items:

Work Code	Item Code	ST	OT	DT	
Install	2-100 Engine		43.00	0.00	0.00
Install	3-100 Electrical/Keys:3- 105 Wiring		6.00	0.00	0.00
Install	5-300 Undercarriage		2.00	0.00	0.00
Install	5-400 Hydraulic:5-402 Hose		3.00	0.00	0.00
Perform	1-300 Safety:1- 304 Equipment Readiness Inspection		5.00	0.00	0.00
Perform	1-400 PM:1-401 PM 1 (500 Hour)		17.50	0.00	0.00
Perform	1-400 PM:1-402 PM 2 (500 Hour)		1.00	0.00	0.00

Maintenance Work Order

Work Order: 152780
Priority: Normal
Due Date:

Labor Items:

Work Code	Item Code	ST	OT	DT	
Remove	2-100 Engine		24.50	0.00	0.00
Remove	2-100 Engine:2-101 Air System		3.00	0.00	0.00
Repair	2-100 Engine		5.50	0.00	0.00
Repair	2-100 Engine:2-103 Cooling System		4.00	0.00	0.00
Replace	2-100 Engine		10.00	0.00	0.00
Troubleshoot/Diagnose	2-100 Engine		27.50	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
H3 24V	H3 24 volt 70 watt Bulb (64156)	Each	2	
PRODURO TO-4+ 10W	Transmission Oil	Each	20	

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: 152780
 Priority: Normal
 Due Date:

48-024 ERI June 5, 2025



GRADER/ LOADER/ ARTICULATED TRUCK/ RUBBER TIRE BACKHOE/ RUBBER TIRE SKID STEER/ AG. TRACTORS / ZOOM BOOMS / COMPACTORS

Date (DD-MM-YY)	06/05/2025	Unit #	48-024	Inspector Print	ADDISON	Machine Hours	5775 76 727
Is a PM Required Within the Next 100 Hours? (Yes or No)				Yes	If "yes", perform or arrange to perform the PM.		

No	What are you inspecting?	Pass Fail	Repaired (Initial)	No	What are you inspecting?	Pass Fail	Repaired (Initial)
From the Ground				On the Machine, Outside the Cab			
1	Tires, Lug Nuts	Pass		31	Fuel Tank	Pass	
2	Articulation Area / Steering Hydraulic System	Pass		32	Hydraulic Oil Tank	Pass	
3	Air Reservoir	Pass		33	Auto Lube	Pass	
4	Transmission	Pass		34	Fire Extinguisher Expire Date <u>Apr. 2026</u>	Pass	
5	Underneath of Machine	Pass		35	Windshield Wipers & Washers	Fail	
6	Covers & guards	Pass		36	Batteries & Hold Downs	Fail	AF
7	Hydraulic Cylinders, Tubes, Hoses & Fittings	Fail	AF	37	Master Shutoff	Pass	
8	Blade Circle & Mold Board	Fail		38	Mirrors & Windows	Pass	
9	Steering Components	Pass		39	Weather Fronts	NA	
10	All-Wheel Drive Motors	Pass		Inside the Cab			
11	Blade & End Bits; Bucket & Ripper GET; Mold Boards, Retainers	Pass		40	ROPS & Cab Guarding	Pass	
12	Differential & Final Drive Oil; Axles, Duo-Cone Seals	Pass		41	Seat	Pass	
13	Brakes & Suspension	Pass		42	Seat Belt & Mounting	Pass	
14	Suspension Cylinders	Pass		43	Horn, Backup Alarm, Lights, Cameras	Fail	AF
15	Boom/Stick/Bucket Cylinders, Linkage, Lines, Hoses	Pass		44	Gauges, Indicator Lights, Alarms	Fail	AF
16	Ripper (if equipped)			45	Codes	Pass	
17	Steps & Handholds	Pass		46	Radios (AM/FM & 2-Way), GPS, & Antennas	Pass	
18	Overall Machine & Body	Pass		47	Overall Cab Interior	Pass	
Engine Compartment				48	Spill & First Aid Kits	Pass	
19	Engine Oil	Pass		49	Heater / AC _____ °C	Pass	
20	Transmission Oil	Pass		50	Decals & Signage	Pass	
21	Engine Coolant <u>38</u> °C	Pass		Operational Functionality			
22	Exhaust	Pass		51	Hydraulic & Travel Testing	Pass	
23	Air Filters (Inner, Outer, & Cab) & Engine Pre-Cleaner	Pass		52	Lockout Bars & Safety Switches	Pass	
24	Radiator	Pass		53	Webasto & Proheat Heaters	NA	
25	Fuel Water Separator	Pass					
26	Positive Air Shut Off	NA					
27	All Hoses & Fittings	Fail	AF				
28	All Belts	Pass					
29	Alternator Output <u>15.1</u> volts	Pass					
30	Overall Engine Compartment	Pass					

No	Comment
36	Leaf sprayer not working, front nozzle gone
43	Interior light not working/need order 24V
43	Front leaf upper light out/Transmission light out
36	not missing on hold down

Maintenance Work Order

Work Order: 148117
Priority: Normal
Due Date:

Parts List:

Part Num	Name	UOM	Qty Used	
1R-0739	Oil filter	Each	1	
1R-0749	Fuel Filter	Each	1	
1R-1808	Oil Filter	Each	1	
6I-0273	Air Filter	Each	1	
6I-2507	Filter:Air Filter	Each	1	
6I-2508	Inner air filter	Each	1	
AF25132	Air Filter	Each	1	
DURON 5W40	5W 40 Engine Oil	Each	85	
P551313	Filter:Fuel Filter	Each	1	

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:

Maintenance Work Order

Work Order: 147518
Priority: Normal
Due Date:

Labor Items:

Work Code	Item Code	ST	OT	DT	
Install	2-100 Engine:2-102 Belts/Tensioners		4.00	0.00	0.00
Install	5-400 Hydraulic		3.00	0.00	0.00
Install	5-400 Hydraulic:5-402 Hose		2.00	0.00	0.00
Install	8-100 Attachment:8-101 Blade		3.00	0.00	0.00
Perform	1-100 Overhead		2.00	0.00	0.00
Perform	2-100 Engine:2-102 Belts/Tensioners		3.00	0.00	0.00
Perform	2-100 Engine:2-104 Exhaust System		3.00	0.00	0.00
Perform	3-100 Electrical/Keys:3-106 Boosting/Charging		0.50	0.00	0.00
Perform	8-100 Attachment:8-107 Ground Engaging Tool		7.00	0.00	0.00
Remove	2-100 Engine:2-102 Belts/Tensioners		2.00	0.00	0.00
Remove	2-100 Engine:2-104 Exhaust System		5.00	0.00	0.00
Repair	2-100 Engine:2-103 Cooling System		2.00	0.00	0.00
Repair	2-100 Engine:2-104 Exhaust System		5.00	0.00	0.00
Repair	2-100 Engine:2-106 Fuel System		4.00	0.00	0.00
Repair	5-400 Hydraulic		2.00	0.00	0.00
Replace	2-100 Engine:2-102 Belts/Tensioners		6.00	0.00	0.00
Replace	2-100 Engine:2-106 Fuel System		1.00	0.00	0.00
Replace	3-100 Electrical/Keys		1.00	0.00	0.00
Replace	3-100 Electrical/Keys:3-102 Battery		5.00	0.00	0.00
Replace	8-100 Attachment		2.00	0.00	0.00

Maintenance Work Order

Work Order: 147518
Priority: Normal
Due Date:

Labor Items:

Work Code	Item Code	ST	OT	DT	
Travel	9-915 Mechanic Travel Time		16.50	0.00	0.00
Troubleshoot/Dia gnose	2-100 Engine		11.00	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:

Maintenance Work Order

Work Order: 144398

Priority: Normal

Due Date:

Scheduling:

Status: Closed

Status Date: 3/25/2024

Mechanic Name	Schedule Date	Work Complete?
Kolten Meagher	1/19/2024	<input checked="" type="checkbox"/>
Donald Van Riesen	1/19/2024	<input checked="" type="checkbox"/>

Equipment ID: 48024

Description: Cat 627F

Work Order Job: AV

VIN #

Current Job: 0003

Serial # 1DL00501

Current Location: 0003

Equipment Foreman:

Work Order Foreman:

Meter Reading: Hours: 205 on 3/25/2024 by Joel Bouvier

Odometer: on by

Last Hour Service (Lifetime): 5785 (5785) on 1/22/2024

Last Odometer Service (Lifetime): on

Problem Description: Perform PM1 / PM2 / PM3 / PM4 / PM5

PM 5 (4,000 Hour)

Check fuel system

1/22/24 kolten

PM 4 (2,000 Hour)

Engine valve set

Check pump pressures

Check hydraulic oil

Check transmission oil

Check any attachment oil

1/22/24 kolten , Hank

PM 3 (1,000 Hour)

Check antifreeze strength

Change final drive oil

Change hydraulic filters

Change antifreeze filter

1/19/24 kolten, Hank

PM 1 (500 Hour)

Change engine oil

SOS engine oil

Change engine oil filter

Check engine air filter / Change if necessary

Check all final drive oil levels

Check hydraulic oil level

Check transmission oil level

Check antifreeze level

Lubricate all grease points

Check autolube grease level (If equipped)

Perform visual inspection

Maintenance Work Order

Work Order: 144398
Priority: Normal
Due Date:

1/19/24 kolten

PM 2 (500 Hour)

Check cab air filter/Change if necessary
 SOS transmission oil
 SOS hydraulic oil
 SOS final drive oil
 Change fuel filters
 Change air filters

1/19/24 kolten

Labor Items:

Work Code	Item Code	ST	OT	DT	
Perform	1-400 PM:1-401 PM 1 (500 Hour)		2.00	0.00	0.00
Perform	1-400 PM:1-402 PM 2 (500 Hour)		3.00	0.00	0.00
Perform	1-400 PM:1-403 PM 3 (1,000 Hour)		3.00	0.00	0.00
Perform	1-400 PM:1-404 PM 4 (2,000 Hour)		4.00	0.00	0.00
Perform	1-400 PM:1-405 PM 5 (4,000 Hour)		4.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
1R-0732	Hydraulic Filter	Each		1
1R-1807	Oil Filter	Each		1
1R-1808	Oil Filter	Each		1
343-4464	Filter:Hydraulic Filter	Each		1
DURATRAN	Durafran Synthetic Transmission Fluid	Each		125
DURON 5W40	5W 40 Engine Oil	Each		205
TRAXON E 75W90	Gear Oil - Synthetic	Litre		178

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
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Maintenance Work Order

Work Order: 144398
Priority: Normal
Due Date:




Reconciled Purchases:

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

Work Order: 144398
 Priority: Normal
 Due Date:

48-024 ERI 2024 03 12

GRADER/ LOADER/ ARTICULATED TRUCK/ RUBBER TIRE BACKHOE/ RUBBER TIRE SKID STEER/ AG. TRACTORS / ZOOM BOOMS / COMPACTORS

Date (DD-MM-YY)	12/3/24	Unit #	48-024	Inspector Print	Hank Van Riessen	Machine Hours	203
Is a PM Required Within the Next 100 Hours? (Yes or No)				NO			
				If "yes", perform or arrange to perform the PM.			

No	What are you inspecting?	Pass Fail	Repaired (Initial)	No	What are you inspecting?	Pass Fail	Repaired (Initial)
From the Ground				On the Machine, Outside the Cab			
1	Tires, Lug Nuts	P		31	Fuel Tank	P	
2	Articulation Area / Steering Hydraulic System	P		32	Hydraulic Oil Tank	P	
3	Air Reservoir	P		33	Auto Lube	N/A	
4	Transmission	P		34	Fire Extinguisher Expi/Date	06/24	P
5	Underneath of Machine	P		35	Windshield Wipers & Washers	P	
6	Covers & guards	P		36	Batteries & Hold Downs	P	
7	Hydraulic Cylinders, Tubes, Hoses & Fittings	P		37	Master Shutoff	P	
8	Blade Circle & Mold Board	N/A		38	Mirrors & Windows	P	
9	Steering Components	P		39	Weather Fronts	N/A	
10	A3-Wheel Drive Motors	N/A		Inside the Cab			
11	Blade & End Bits, Bucket & Ripper GET; Mold Boards, Retainers	P		40	ROPS & Cab Guarding	P	
12	Differential & Final Drive Oil; Axles, Duo-Cone Seals	P		41	Seat	P	
13	Brakes & Suspension	P		42	Seat Belt & Mounting	P	
14	Suspension Cylinders	N/A		43	Horn, Backup Alarm, Lights, Cameras	P	
15	Booms/Stick/Bucket Cylinders, Linkage, Lines, Hoses	P		44	Gauges, Indicator Lights, Alarms	P	
16	Ripper (if equipped)	N/A		45	Codes	P	
17	Steps & Handholds	P		46	Radios (AM/FM & 2-Way), GPS, & Antennas	P	
18	Overall Machine & Body	P		47	Overall Cab Interior	P	
Engine Compartment				48	Spill & First Aid Kits		
19	Engine Oil	P		49	Heater / AC _____°C	P	
20	Transmission Oil	P		50	Decals & Signage	P	
21	Engine Coolant - 40°C	P		Operational Functionality			
22	Exhaust	P		51	Hydraulic & Travel Testing	P	
23	Air Filters (Inner, Outer, & Cab) & Engine Pre-Cleaner	P		52	Lockout Bars & Safety Switches	P	
24	Radiator	P		53	Webasto & Proheat Heaters	N/A	
25	Fuel Water Separator	P					
26	Positive Air Shut Off	N/A					
27	All Hoses & Fittings	P					
28	All Belts	P					
29	Alternator Output 27.4 volts	P					
30	Overall Engine Compartment	P					

No	Comment

Inspector Signature: *Hank Van Riessen*

Site Energy WHITE: OFFICE / SERVICE WRITER YELLOW: STAYS IN EQUIPMENT PINK: INSPECTOR COPY

Notes:

Maintenance Work Order

Work Order: 140290
Priority: Normal
Due Date:

sending right signal to rear NSS to allow engine to start. 9/20/23 Austin G
 Replace leaking transmission line and suction screen o-ring. Top up transmission. Finish bleeding fuel system and jump solenoid to get unit started. Run for a couple minutes. Top up trans again, check coolant level, oil level, etc. 9/23/23 Austin G
 Replace fuel line on frame 9/24/23 Austin G
 replace rear engine coolant. 10/02/23. kit.c
 Start removing rear power pack 10/6/23 Austin G
 Finish power pack removal and load onto trailer 10/7/23 Austin G
 Begin turbo install. Lower oil line installed, inner coolant line installed, turbo bolted onto manifold, air filter housing mounted and attached to turbo, segments are rotated into position and bands tightened. Do not have 2x blockoff plates for turbo, unable to locate turbo -> Intercooler pipe. Austin G 10/25/23
 INNER TURBO LINE IS NOT TIGHT WHERE ATTACHED TO UPPER RAD LINE. RAGS ARE IN TURBO AIR OUTLET AND COVERING OTHER PORTS*
 Install differential onto transmission with travis 10/30/23 Austin G
 Perform - Order parts for install Oct 30 - Joel
 Perform - Prep and clean parts for install of transmission Oct 31 - Joel
 Perform - Go through transmission with Joel and create comprehensive plan for installing transmission, locate proper lifting and rigging hardware and have transmission rigged and ready to be installed. Clean out housings, install D-rings. Wait on crane. 10/31/23 Austin G
 Install - Transmission with crane Nov 2 - Joel
 Clean up/store straps, rigging hardware etc 11/3/23 Austin G
 Install turbo blockoff plates, turbo air outlet tube, change seal rings on exhaust, mount muffler, etc. Need pipe to ORFS fitting to finish installing last line. 11/5/23 Austin G
 Perform - Clean up all bolts and panels before snow fall Nov 8 - Joel
 Continue installing transmission components and hardware. 11/19/23 kolten
 Continue installing transmission components and hardware. 11/20/23 kolten
 Install cushion hitch pump , help install hydraulic pump , install joystick in cab , fill engine oil and antifreeze in front of engine , start installing rear engine - Mike L 11/28/2023
 Perform- get hydraulic pump ready to install, new seals, clean up surfaces, install hydraulic pump. get proper fittings for cushion hitch pump. install planetary seals and covers. 11/28/23 kolten
 Perform- install rear engine, fill fluids for entire machine, get unit running, drive unit around, front engine has a tick to it, shut unit off, going to pull valve covers and see what the valves look like. 11/29/23 kolten
 Install - Rear power pack, fill all fluids and assist in starting Nov 27 - Joel

Labor Items:

Work Code	Item Code	ST	OT	DT	
Adjust	5-200 Transmission/Clutch		1.00	0.00	0.00
Clean	1-100 Overhead		4.00	0.00	0.00
Clean	5-200 Transmission/Clutch		2.50	0.00	0.00
Cutting/Welding	4-100 Body:4-103 Frame		11.00	0.00	0.00
Inspect	2-100 Engine		0.50	0.00	0.00
Install	2-100 Engine		82.00	0.00	0.00
Install	2-100 Engine:2-104 Exhaust System		5.50	0.00	0.00
Install	2-100 Engine:2-106 Fuel System		4.00	0.00	0.00
Install	4-100 Body:4-102 Cab/Body/Deck		1.00	0.00	0.00

Maintenance Work Order

Work Order: 140290
Priority: Normal
Due Date:

Labor Items:

Work Code	Item Code	ST	OT	DT	
Install	5-100 Drivetrain:5-103 Differential		3.00	0.00	0.00
Install	5-200 Transmission/Clutch		37.00	0.00	0.00
Install	5-400 Hydraulic		6.50	0.00	0.00
Install	5-400 Hydraulic:5-402 Hose		4.00	0.00	0.00
Install	5-400 Hydraulic:5-404 Pump		3.50	0.00	0.00
Modification	2-100 Engine:2-103 Cooling System		2.00	0.00	0.00
Perform	1-100 Overhead		4.50	0.00	0.00
Perform	1-400 PM		8.00	0.00	0.00
Perform	2-100 Engine		36.00	0.00	0.00
Perform	2-100 Engine:2-106 Fuel System		0.50	0.00	0.00
Perform	5-100 Drivetrain		9.00	0.00	0.00
Perform	5-100 Drivetrain:5-109 U Joint/Drive Line		4.00	0.00	0.00
Perform	5-200 Transmission/Clutch		44.00	0.00	0.00
Remove	2-100 Engine		18.50	0.00	0.00
Repair	5-200 Transmission/Clutch		27.00	0.00	0.00
Replace	2-100 Engine:2-103 Cooling System		8.00	0.00	0.00
Replace	2-100 Engine:2-106 Fuel System		1.00	0.00	0.00
Replace	5-400 Hydraulic:5-402 Hose		4.00	0.00	0.00
Replace	5-400 Hydraulic:5-403 Motor		2.00	0.00	0.00
Troubleshoot/Diagnose	3-100 Electrical/Keys:3-103 Light		5.50	0.00	0.00

Maintenance Work Order

Work Order: 140290
Priority: Normal
Due Date:

Parts List:

Part Num	Name	UOM	Qty Used	
75W-90	All:Drivetrain:Final Drive	Litre	110	
DURON 5W40	5W 40 Engine Oil	Each	615	

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:

Maintenance Work Order

Work Order: 139705
Priority: Normal
Due Date:

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Notes:

Maintenance Work Order

Work Order: 137842
Priority: Normal
Due Date:

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:

Maintenance Work Order

Work Order: 137588
Priority: Normal
Due Date:

Labor Items:

Work Code	Item Code	ST	OT	DT	
Perform	1-400 PM:1-402 PM 2 (500 Hour)		2.00	0.00	0.00
Perform	1-400 PM:1-403 PM 3 (1,000 Hour)		9.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used	
1R-0739	Oil filter	Each		1
1R-0750	Fuel Filter	Each		1
1R-1808	Oil Filter	Each		1
DURON 5W40	5W 40 Engine Oil	Each		125
P551311	Fuel Filter	Each		1
THF J20C	hydraulic oil	Each		520

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:

Maintenance Work Order

Work Order: 135917
Priority: Normal
Due Date:

Continue to assemble engine parts. and perform 2000 hr service 1/11/23 kolten, Hank
 Finish assembling engine + install guards and shrouds. Continue replacing leaking hoses. 1/12/23
 Replacing Hyd hoses and fuel lines. 1/13/23 Hank
 Perform- replace fuel lines. 1/14/23 kolten
 Perform- get fuel lines built, replace fuel lines. make parts list. 1/15/23 kolten
 Perform- route fuel lines, repair guards, test batteries, repair fuel shutoff, inspect bowl for wear. 1/16/23 kolten
 Replace - hyd hoses and repair leaks. 1/17/23 Hank
 Replace - trans and diff breathers and install guards and shields. 1/22/23 Hank
 Peplace - steel hyd tube and repair guards. 1/23/23 Hank
 Perform- make new shields and guards for hydraulic and fuel lines. 1/24/23 kolten, Hank
 Replace- cutting edges. 1/24/23 kolten
 Install - stump pan and remaining hood shields. 1/24/23 kolten, Hank
 Travel - Travel to Medicine Hat to pik up 75-90 oil. 1/25/23 - Jason
 Travel - To Oyen for freight Feb 3 - Joel
 Perform- organize parts. 2/27/23 kolten, Joel
 Perform- get unit running to bring into the shop. got unit running and have no hydraulics now, no steering, no bowl functions, no transmission functions, have no pressure at the hydraulic pump, going to slide pump back to check the shaft to see if its broken. 3/12/23 kolten
 Perform- check the shaft on the hydraulic pump, it was good, removed inspection cover for the input shaft to the transmission, found that the snap ring had let go and the shaft had slid out, therefore nothing was spinning to run the hydraulic pump, fixed the snap ring, fired unit up, brought into the shop. 3/13/23 kolten
 Replace- batteries on front engine. 3/14/23 kolten
 Replace- stereo 3/14/23 kolten
 Replace - Engine compartment latch, paint March 15 - Joel
 Install engine compartment door. set the hinge. 3/16/23. kolten
 Remove- air compressor. 3/16/23 kolten
 Perform- charging accumulator. 3/18/23 kolten
 Install- 2 way radio. 3/18/23 kolten
 Perform- swap fittings and lines from old compressor to new one, put together the governor. 3/18/23 kolten
 Repair- hydraulic oil leak on supply line coming from the tank. 3/18/23 kolten
 Install- air compressor. 3/19/23 kolten
 Install - guards, covers, and shrouds. 3/21/23 Hank

Labor Items:

Work Code	Item Code	ST	OT	DT	
Clean	2-100 Engine		10.00	0.00	0.00
Inspect	2-100 Engine:2-103 Cooling System		2.00	0.00	0.00
Inspect	4-100 Body:4-102 Cab/Body/Deck		5.00	0.00	0.00
Install	2-100 Engine		23.00	0.00	0.00
Install	2-100 Engine:2-101 Air System		2.00	0.00	0.00
Install	4-100 Body		6.00	0.00	0.00
Perform	1-100 Overhead		2.50	0.00	0.00
Perform	2-100 Engine		65.00	0.00	0.00
Perform	3-100 Electrical/Keys:3-106 Boosting/Charging		5.00	0.00	0.00
Perform	5-400 Hydraulic:5-401 Cylinder		1.00	0.00	0.00

Maintenance Work Order

Work Order: 135917
Priority: Normal
Due Date:

Labor Items:

Work Code	Item Code	ST	OT	DT	
Remove	2-100 Engine		30.00	0.00	0.00
Remove	2-100 Engine:2-101 Air System		3.00	0.00	0.00
Repair	2-100 Engine		37.00	0.00	0.00
Repair	2-100 Engine:2-106 Fuel System		1.50	0.00	0.00
Repair	3-100 Electrical/Keys:3-105 Wiring		3.50	0.00	0.00
Repair	4-100 Body		12.00	0.00	0.00
Repair	5-400 Hydraulic:5-402 Hose		49.00	0.00	0.00
Replace	3-100 Electrical/Keys:3-102 Battery		1.00	0.00	0.00
Replace	4-100 Body:4-102 Cab/Body/Deck		1.50	0.00	0.00
Replace	5-400 Hydraulic:5-402 Hose		3.50	0.00	0.00
Replace	8-100 Attachment:8-101 Blade		2.00	0.00	0.00
Replace	8-100 Attachment:8-110 Radio/2 way		3.00	0.00	0.00
Test	3-100 Electrical/Keys:3-102 Battery		0.50	0.00	0.00
Travel	9-915 Mechanic Travel Time		15.50	0.00	0.00
Troubleshoot/Diagnose	2-100 Engine		30.00	0.00	0.00
Troubleshoot/Diagnose	5-200 Transmission/Clutch		7.50	0.00	0.00
Troubleshoot/Diagnose	5-400 Hydraulic:5-404 Pump		6.00	0.00	0.00

Parts List:

Part Num	Name	UOM	Qty Used
33.25R29 tire	Scraper Tire	Each	2

Maintenance Work Order

Work Order: 135917
Priority: Normal
Due Date:

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:

Maintenance Work Order

Work Order: 133080
Priority: Normal
Due Date:

Perform - Assist Austin in tranny pressures July 8 - Tami
 Remove - Axle shafts, remove hood and air cleaner, drain wheel hubs, adjust brakes July 9 - Tami
 Set up for transmission test, print out procedures 7/12/22 Austin
 Perform pressure testing on rear transmission, reassemble. Fill differential, move unit into shop and fill all 4 planetaries, run unit around yard to get to temp, torque stall to heat up transmissions. Possible leak on front transmission, wash area off to get better idea. Troubleshoot horn wiring. Clean up yard where unit was parked at. 7/15/22
 Install - Axle and cover on rear, assist in pressures on tranny, charge A/C July 14 - Tami
 Repair - Tranny to housing leak July 15 - Tami
 Repair - Drive cover leaks and hubs July 16 - Tami
 Travel to unit, tighten bolts, test AC (everything good), fix horn 7/19/22 Austin
 Travel to unit. flip cutting edges and corner bits. 7/21/22 kolten
 Travel to unit, cushion hitch wasnt working, pulled the switch out, there was a loose terminal on the plug, pushed connector back in and cushion hitch good to go. 7/27/22 kolten
 Travel to unit, rear engine throwing low oil pressure code. Verify 50psi of pressure with gage, tee gage into oil pressure tap and leave instructions with foreman. Troubleshoot cushion hitch. 8/3/22 Austin
 Travel to unit. weld pin keeper on apron arm. 8/2/22 kolten
 Travel to unit. adjust brakes for the operator. test unit. 8/6/22 kolten
 Travel to unit, Inspect transmission leak 8/9/22 Austin
 Travel to unit, install engine oil pressure switch. Hook up a/c guages, a/c is good. 8/11/22 kolten.

Labor Items:

Work Code	Item Code	ST	OT	DT	
Adjust	5-100 Drivetrain:5-102 Brake		4.00	0.00	0.00
Adjust	5-100 Drivetrain:5-103 Differential		0.50	0.00	0.00
Adjust	5-100 Drivetrain:5-104 Final Drive/Transfer Case		1.00	0.00	0.00
Adjust	5-200 Transmission/Clutch		1.00	0.00	0.00
Clean	1-100 Overhead		1.00	0.00	0.00
Cutting/Welding	4-100 Body		1.00	0.00	0.00
Cutting/Welding	5-200 Transmission/Clutch		2.00	0.00	0.00
Install	2-100 Engine:2-101 Air System		7.00	0.00	0.00
Install	4-100 Body:4-104 Glass		4.00	0.00	0.00
Install	5-100 Drivetrain		5.00	0.00	0.00
Install	5-200 Transmission/Clutch		40.00	0.00	0.00
Install	5-400 Hydraulic:5-402 Hose		1.00	0.00	0.00
Perform	1-100 Overhead		2.00	0.00	0.00
Perform	2-100 Engine		0.50	0.00	0.00

Maintenance Work Order

Work Order: 133080
Priority: Normal
Due Date:

Labor Items:

Work Code	Item Code	ST	OT	DT	
Perform	3-100 Electrical/Keys:3-106 Boosting/Charging		1.00	0.00	0.00
Perform	4-100 Body:4-101 Air Conditioning		1.00	0.00	0.00
Perform	5-100 Drivetrain:5-103 Differential		10.00	0.00	0.00
Perform	5-200 Transmission/Clutch		19.50	0.00	0.00
Perform	5-400 Hydraulic		2.00	0.00	0.00
Perform	8-100 Attachment		2.00	0.00	0.00
Repair	2-100 Engine:2-104 Exhaust System		7.00	0.00	0.00
Repair	3-100 Electrical/Keys		1.00	0.00	0.00
Repair	4-100 Body:4-102 Cab/Body/Deck		7.00	0.00	0.00
Repair	5-200 Transmission/Clutch		39.00	0.00	0.00
Replace	2-100 Engine		0.50	0.00	0.00
Replace	3-100 Electrical/Keys:3-102 Battery		1.50	0.00	0.00
Test	4-100 Body:4-101 Air Conditioning		1.00	0.00	0.00
Test	5-200 Transmission/Clutch		11.50	0.00	0.00
Travel	9-915 Mechanic Travel Time		29.50	0.00	0.00
Troubleshoot/Diagnose	2-100 Engine		2.00	0.00	0.00
Troubleshoot/Diagnose	3-100 Electrical/Keys		2.00	0.00	0.00
Troubleshoot/Diagnose	5-100 Drivetrain:5-107 Suspension		1.00	0.00	0.00

Parts List:

Maintenance Work Order

Work Order: 133080

Priority: Normal

Due Date:

Parts List:

Part Num	Name	UOM	Qty Used	
4040N	4/0 Inline Clamp (-)	Each		1
DURON 5W40	5W 40 Engine Oil	Each		150

Cost Ledger:

Type	Ref Num	Description	Estimated Cost	
Parts	IPE 112320	Parts		\$0.00

Reconciled Purchases:

Part Num	Description	Invoice #	Ref #	Qty Used	
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Notes: