



McCoy Construction & Forestry  
1818 North Lincoln Road  
Escanaba, MI 49829  
Phone: (906) 789-9054  
http://mccoycf.com

Remit Payment to:  
McCoy Construction & Forestry, Inc.  
ATTN: Accounts Receivable  
501 Bell St.  
Dubuque, IA 52001

\*\*\* PROFORMA INVOICE \*\*\*

Invoice To Account No: 52428

GLADSTONE PUBLIC WORKS  
1100 DELTA AVE  
GLADSTONE MI 49837

Phone: (906)428-3737

Deliver To:

GLADSTONE PUBLIC WORKS  
30 MICHIGAN AVE  
GLADSTONE MI 49837

Phone: (906)428-3737

## SERVICE INVOICE

**Invoice Number:**

Invoice Date 01/10/2025

Location: 02

Work Order Number: 696342

Payment Type: Account

**Customer PO No:**

Make/Model: JOHN DEERE 624H

Meter Reading: 10016

Serial Number: DW624HX581478

Equipment Number: 8414WM

Fleet Number:

Page: 1 of 7

/TTM -F-0000031 Retail

CONCERN:  
TRAVEL TIME AND MILEAGE

CORRECTION:  
CHARGES ARE FOR TRAVEL TIME & MILEAGE ON 11/20  
LOCATION: Gladstone shop near Gladstone Campground  
TECH: Dan Robinson

**101-532-800.000**

<u>PartNumber</u>	<u>Description</u>	<u>Quantity</u>	<u>Net Price</u>	<u>Extended Price</u>	<u>Taxed Ind</u>
S1	Travel Mileage	16.00	\$3.50	\$56.00	N
S1	Travel Mileage	1.00	\$153.24	\$153.24	N
	\$250 TRAVEL MIN				

Labor: \$40.76      Parts: \$209.24      OL&M: \$0.00      Misc: \$0.00      Sub-Total: \$250.00

EXPERT-100000083397 Retail

CONCERN:  
Machine Inspection General basic inspection of machine. Please enter notes for any questions or issues found.

\*\*\*\*\* Charges may be additional to estimate for freight and oils. Labor may vary upon tear down and inspection. Overtime is applicable after 8.0 hours and may be additional to estimate. Wear items will be additional to estimate (i.e., O-rings, gaskets, seals).

CAUSE:

CORRECTION:

Inspect Sheet Metal [Rust holes in doors on the cab and on the left service door for the engine.]

Inspect Glass and Mirrors

Inspect exterior of ROPS / FOPS for damage

Inspect excavator Frame (Digging Frame, arm, stick attachment)

Equipment and Engine Frame, Check

Inspect Hydraulic Cylinders

Hoses / Lines

Frame Articulation Joints, Check

Center Pins, Check

Bottom Frame- near articulation Joint, Check

Inspect cab and exterior doors

Take Pictures of machine exterior

Bucket Cylinders, Inspect

Boom Pins, Check [Coupler pin is missing hold down hardware.]

Bucket, Inspect

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Cutting Edges, Inspect  
Transmission Oil Level  
Transmission Oil Leaks  
Drive Lines, U-Joints, Check  
Tires and Wheels  
Wheel Bolts / Nuts and Hardware  
Front Axle Inspect and fluid check [The Axle has little to no fluid.]  
Rear Axle(s) Inspect and fluid check [Axle is over full almost to the top of the housing.]  
Spindles / Tie Rods  
Final Drives, Inspect and check fluid level  
Check if PM Service is Required  
Check Engine Oil Level  
Engine Oil Leaks  
Coolant Level / Condition  
Radiator / Coolers  
Air Inlet System  
Fuel System  
Check Hydraulic Oil Level  
Battery Condition  
Battery Cables / Harnesses Condition  
Cab/Operator's Station - General Condition  
Note Hours on Machine  
Monitor Button Functions and Screen Display, Inspect  
Gauges  
Check Charging System operation  
Check for Software Update(s) - Note Available Software  
HVAC Controls, Inspect  
Blower Motor, Inspect  
Seat Belt, Inspect  
Neutral Start operation  
Starter operation  
Check Oil Pressure  
Evaluate Engine Performance  
Check Engine Low / High Idle speeds  
Lights / Turn Signals operation and condition  
Transmission / Hydrostat Operation  
Backup Alarm Operation  
All Gears Functioning Properly?  
Check Parking Brake operation  
Check Service Brakes operation  
Hydraulic System Operation  
General Machine Notes

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Labor: \$0.00      Parts: \$0.00      OL&M: \$0.00      Misc: \$0.00      Sub-Total: \$0.00

Gen3 Retail

CONCERN:

Torque Converter leaking from weep hole

CAUSE:

CORRECTION:

Wednesday, November 20, 2024 - x303004

- Confirmed complaint: oil drip at bottom of torque converter housing
- Can only come from either of 2 places: the torque converter itself or the seal behind the transmission pump
- Either way, the cab has to come off and the hydraulic tank then the input shaft and housing cover need to be removed
- The seal should be replaced regardless, and the torque converter pressure tested with hose and clamp setup
- Additionally, the steering valve leaks and the small clamped leaks at the bottom of the hydraulic tank.

Tuesday, December 24, 2024 - X454405

- Started machine and drove it inside the shop and parked it.
- Relieved the pressure in the accumulators.
- Rigged up the Right step by operator station up to the hoist.
- Removed hardware for the left step and removed step with the hoist and set it on the floor.
- Removed left, front and right cab shields with their hardware.
- Removed throttle cable.
- Removed defroster ducts. The hardware needs to be replaced because of rust.
- Started removing hoses for the steering valve.

Thursday, December 26, 2024 -x454405

- Removed hoses for the steering valve.
- Plugged and capped open lines.
- Removed hoses for the heater core. Blocked lines with hose camps.
- Disconnected the wiring harness to the cab.
- Removed wiring harness from the starter motor.
- Removed the hose for the windshield washer and plugged hose.
- Removed hose the return on the brakes. plugged hose.

Friday, December 27, 2024 - X454405

- Removed cover for the battery box with its hardware.
- Removed negative battery cable from the battery.
- Drained the cooling system.
- Rigged up hood to the hoist with straps and a come along.
- Removed hood, air cleaner and set it on the floor propped up on blocks.
- Removed charge air pipe from the turbo.

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Page: 4 of 7

- Blocked off opening for charge air with tape.
- Removed fuel line and plugged and capped it.
- Removed wiring harness from the starter.
- Got a clean barrel from out behind the shop to hold the oil from the sump.
- Plumped a hose to the barrel from the drain valve for the sump.
- Drained hydraulic oil from the sump.
- Removed hardware from the Drive shaft from engine to transmission.
- Removed clamp and hardware for the muffler then removed the muffler.

Monday, December 30, 2024 -X454405

- Removed hardware for the engine hold down.
- Removed hoses for the cooling fan off of the engine.
- Brought out the welder.
- Welded on a nut on broken bolt for the stairs and removed broken bolt.
- Put the welder away.
- Rigged up sling for engine to the hoist.
- Lifted up engine and removed the engine mounts from the engine.
- Removed engine from the machine.
- Set engine down on blocks.
- Brought out a jack.
- Used jack to support back of transmission after removal of the rear mount for the transmission.

Tuesday, December 31, 2024 - X454405

- Removed rear transmission mount with its hardware.
- Removed orange bubble light with its bracket.
- Need to extract 1 bolt for the bubble light its broke upon removal.
- Installed C bar and bracket for the torque converter removal.
- Removed torque converter housing bolts.
- Removed torque converter with the outer housing with the hoist.
- Set converter on a table.
- Removed C Bar rigging for the hoist.
- After inspecting the torque converter there is a gouge in the shaft from the inner bearing.
- Inner bearing in the transmission pump is worn out and falling apart.
- Brought out the bearing puller.
- Pulled yoke off the torque converter with puller.
- Set up bearing puller on stator shaft to pull transmission pump.
- Pulled transmission pump out of transmission and set it on the bench.
- Printed of part sheets and went to Parts Dept. to get a quote for the customer.
- Gave Courtney C. quote.

Thursday, January 2, 2025 -X454405

- Installed throttle cable onto the pedal with its hardware.

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- Rigged up right step up to the hoist.
- Installed the right step with its hardware.
- Removed rigging from right step.
- Rigged up left step to the hoist.
- Installed left step onto machine with its hardware.
- Removed rigging from left step.
- Rigged up torque converter to the hoist.
- Brought torque converter over to the hydraulic press.
- Installed torque converter and housing onto the hydraulic press.
- Removed torque converter from housing.
- Removed snap ring for torque converter housing bearing.
- Removed torque converter bearing from the housing with the hydraulic press.
- Set torque converter on a bench.
- Put torque converter housing in the cuda parts washer.
- Installed Defroster ducts on lower part of the cab with their hardware.
- Removed drive plate from the old Torque converter.
- Brought out new Torque converter.
- Installed Drive Plate onto the new torque converter with its hardware.
- Torqued Drive plate bolt to spec.

Monday, January 6, 2025 -X454405

- Covered rear window of cab.
- Ground down broken bolt with a grinder so its flush to punch for a drill bit.
- Drilled out broken bolt.
- Got a tap and tapped threads for bolt.
- Cleaned out other threaded bosses with the tap for the orange bubble light.
- Got new bolts for the orange bubble light out of the bolt bin.
- Cleaned up and put away tools.
- Removed window covering.

Tuesday, January 7, 2025 -X454405

- Cleaned stator shaft in parts washer.
- Installed stator into transmission.
- Installed New transmission pump with its hardware torqued to specification.
- Installed torque converter onto transmission.
- Installed torque converter housing onto the transmission.
- Installed yoke onto the torque converter.
- Installed torque converter housing bolt and torqued them to specification.
- Installed rear Transmission mount with its hardware, torqued to spec.
- Installed lift sling onto engine.
- Lifted engine with the hoist and brought it over to the machine.
- Set engine down into engine bay of the machine.

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- Installed engine mounts onto engine with their hardware.
- Installed drive shaft onto transmission.
- Set engine down into the engine bay.
- Installed bolts for the engine.

Wednesday, January 8, 2025 - X454405

- Torqued engine mounts hardware on engine to specification.
- Torqued engine mount to machine frame hardware to specification.
- Installed wiring for the starter and engine.
- Connected the return fuel line.
- Installed the hydraulic hoses for the cooling fan on the engine.
- Installed coolant hoses for the heater core and the radiator.
- Installed charge air cooler pipes up to the engine.
- Rigged up the engine hood to the hoist.
- Lifted hood up onto the machine with the hoist.
- Installed hood hardware.
- Installed coolant hose for Coolant Res. onto the radiator.
- Removed and cleaned drain plug from the transmission.
- Drained transmission oil.
- Replaced transmission filter.
- Installed transmission drain plug.
- Filled transmission with oil.
- Installed orange bubble light on the cab of the machine with its hardware.
- Torqued driveshaft hardware to specification.
- Removed caps and plugs and installed the fuel line.
- Filled cooling system for engine with coolant.

Thursday, January 9, 2025 -X454405

- Topped off transmission oil that is good to go.
- Checked coolant level that is good to go.
- Installed intake duct from airbox to the turbo with its hardware.
- Filled hydraulic tank with oil from barrel with transfer pump.
- Topped off hydraulic tank with oil.
- Attempted to prime fuel system but the primer is worn out.
- Installed new primer pump and primed fuel system.
- Installed Skirting on lower parts of cab with its hardware.
- Plugged in the windshield washer hose.
- Started machine and drove it out of the shop around the back yard checking the gears.
- Parked machine in the back yard.
- Machine doesn't leak out of the torque converter.

PartNumber	Description	Quantity	Net Price	Extended Price	Taxed Ind
19M7800	Screw	4.00	\$3.17	\$12.68	N

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40M1873	Snap Ring	1.00	\$14.83	\$14.83	N
AT354180	Converter	1.00	\$8,783.03	\$8,783.03	N
AT468647	Transmission Oil Filter	1.00	\$62.15	\$62.15	N
R85169	12 Point Flanged Bolt LOCK	4.00	\$4.07	\$16.28	N
RE50467	Primary Fuel Filter Hand Primer Kit	1.00	\$72.21	\$72.21	N
T116613	Washer	1.00	\$18.15	\$18.15	N
T171202	Ball Bearing	1.00	\$104.33	\$104.33	N
T174239	O-Ring	10.00	\$1.82	\$18.20	N
T174240	O-Ring	1.00	\$76.72	\$76.72	N
T225898	Transmission Oil Pump	1.00	\$2,341.71	\$2,341.71	N
TY22028	HY-GARD 1 qt. Bulk	41.00	\$5.80	\$237.80	N
TY26576	Cool-Gard II Pre-mix 2-1/2 gal.	2.00	\$43.64	\$87.28	N

Miscellaneous Charges:

Shop Supplies \$75.00

Environmental Fees \$65.00

Labor: \$8,200.00    Parts: \$11,845.37    OL&M: \$0.00    Misc: \$140.00    Sub-Total: \$20,185.37

Customer PO No:

Tax Exempt No: MI 2024-01-28

Advisor: Courtney Cunningham

Labor: \$8,240.76

Parts: \$12,054.61

OL&M: \$0.00

Misc: \$140.00

Sales Tax: \$0.00

Total: \$20,435.37

TERMS AND CONDITIONS

Any returns must occur within 30 days of purchase. Restocking fees up to 30% may apply to any non-stocked or special ordered parts. No returns will be accepted on electrical parts or parts that have been installed, altered, or damaged. Original package is required.

Received by: .....

Date: .....