

Inspection Report (Material Handler)

General Info

Year	2017
Make	Sennebogen
Model	825M
Serial Number	825.0.2446
Hour Meter Reading	10,882
Previous Application (e.g., earth moving, mining, demolition, etc)	Scrap Yard Work

Dimensions

Length (ft and inches)	Between 10.4 m & 11.1 m & 12.05 m
Width (ft and inches)	8'6"
Height (ft and inches)	11'1"
Operational Weight (lbs)	61,730 Lbs.

Features and Configuration

Undercarriage	Wheeled
Control Station Type	Cab
Heat	No
A/C	No
Radio	Yes
Telematics	No
Backup Camera	Yes
Auxiliary Hydraulics	Yes
Outriggers	Yes
Hydraulic Coupler	No
Grapple	Yes
Grapple (Make/Model/Style)	ROTOBEC Orange Peel Grapple
Shear	No
Additional Attachment(s)	No
Other Configuration Details / Notes	Machine equipped with Automatic Grease Lube System
OMM (Operator & Maintenance Manual)	No

Inspection Report (Material Handler)

Legend	Rating Scale	Explanation
	1 - Service Required	Requires immediate repairs to function as expected.
	2 - Above Average Wear & Tear	Exhibits greater wear than expected given its age and usage. While operable, further diagnosis may be needed.
	3 - Normal Wear & Tear	Exhibits wear that is consistent with its age and usage. Operation is normal, and as expected.
	4 - Like New, Recently Replaced	Excellent condition, free of visible wear or damage. Operation is within factory specifications.

Exterior Walkaround Photos

Exterior 360 Walkaround

Exterior Walkaround Photos



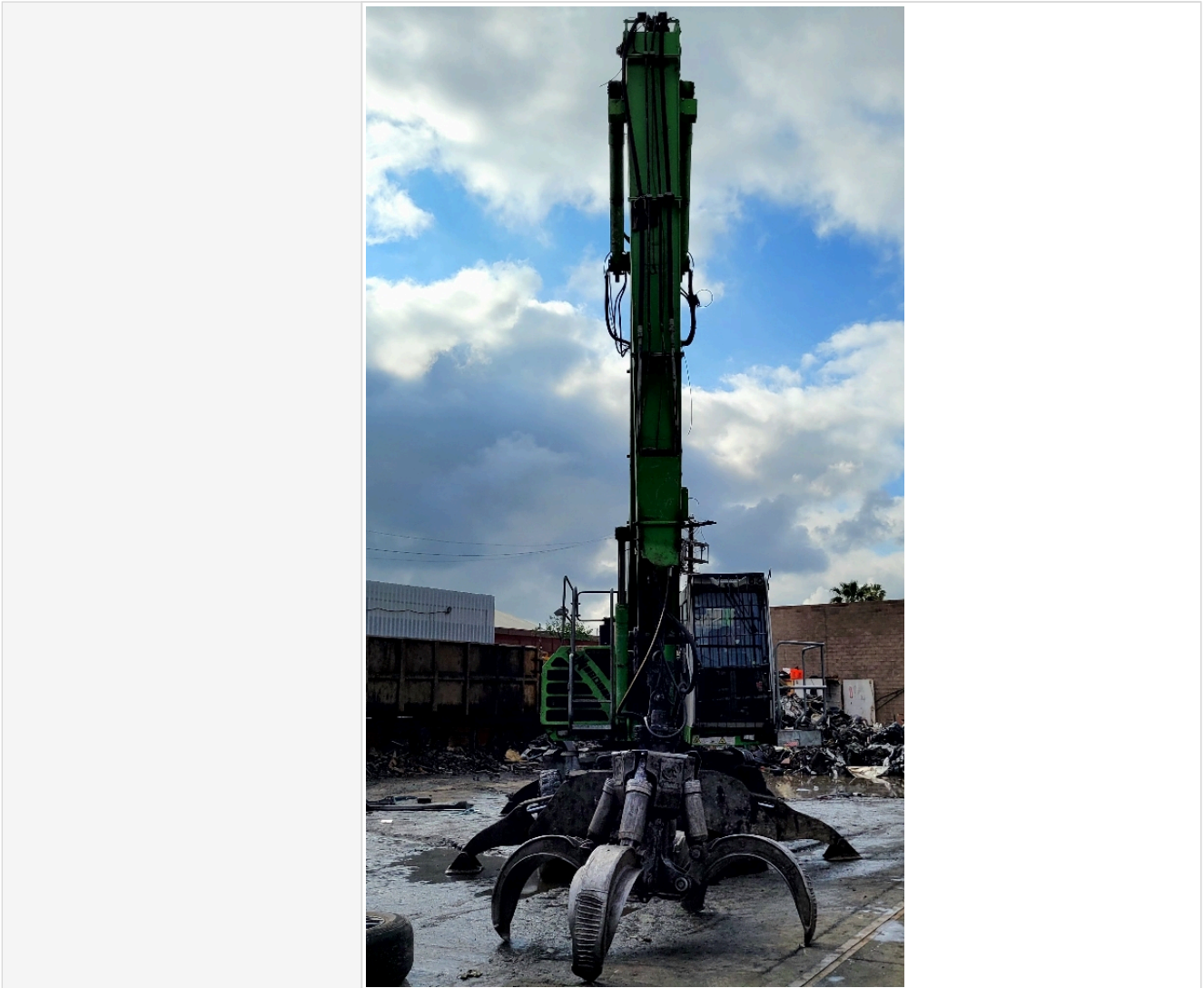
Inspection Report (Material Handler)



Inspection Report (Material Handler)



Inspection Report (Material Handler)



General Appearance Inspection Points

General Appearance

Close-up Exterior Photos



Steps Broken Off

Inspection Report (Material Handler)



Inspection Report (Material Handler)



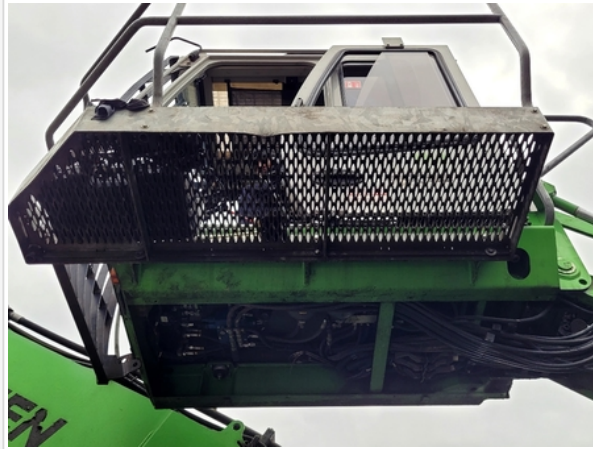
Inspection Report (Material Handler)



Inspection Report (Material Handler)



Inspection Report (Material Handler)



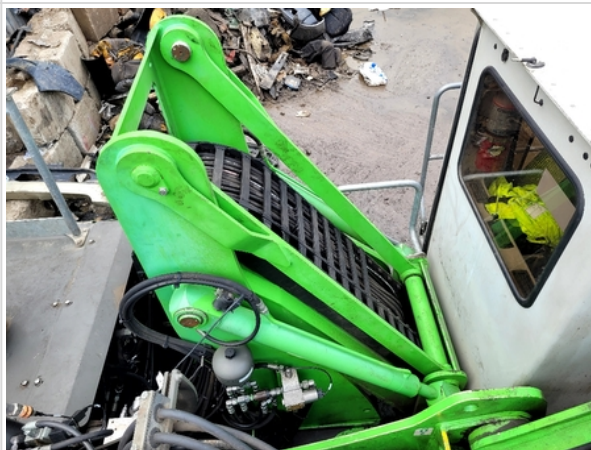
R/S Cab Exterior Handrail slightly bent.



Inspection Report (Material Handler)



Inspection Report (Material Handler)



Inspection Report (Material Handler)



Inspection Report (Material Handler)





Inspection Report (Material Handler)



Inspection Report (Material Handler)

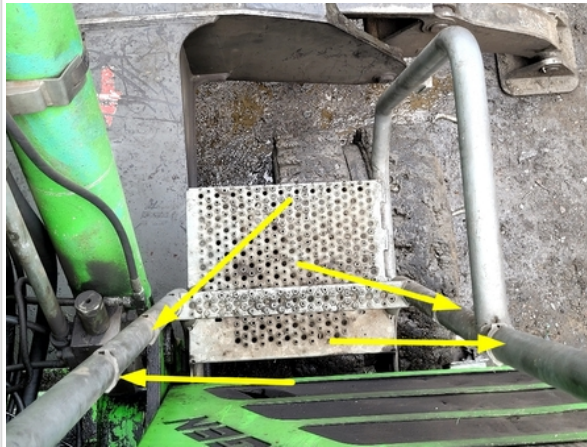


Inspection Report (Material Handler)

	
	
Body Panels	3 - Normal Wear & Tear
Body Panel Condition	Some panel misalignment observed, Visible chipped paint or dents, Other (see comments)
Comments	Main body panels in decent condition with minor dents and scuff marks.
Doors / Canopy Latches	2 - Above Average Wear
Doors / Canopy Latches Condition	Loose or missing latches, hinges or handles, Intermittent sticking observed on one or more latches/doors, Bent or damaged frame/components, Other (see comments)
Comments	Cab door latch inoperable from inside. Outer door latch works properly.
Steps / Ladders	2 - Above Average Wear
Steps / Ladders Condition	Steps/ladders are fully intact and appear structurally sound, Bent or broken steps or rungs, Steps or rungs are not structurally sound, Other (see comments)
Comments	Some step areas in good shape. Side steps have major damage. Ladder next to boom, to top of machine broken and missing steps. Some handrails are bent.

Inspection Report (Material Handler)

Steps / Ladders Photos



Steps Missing



Inspection Report (Material Handler)

		
		
		
Handrails	3 - Normal Wear & Tear	
Handrails Condition	Bent or broken railings	
Comments	All handrails intact and some are bent	

Inspection Report (Material Handler)



Handrail Photos



Inspection Report (Material Handler)



Inspection Report (Material Handler)

		
		
Glass	3 - Normal Wear & Tear	
Glass Condition	Glass intact, no visible damage	
Mirrors	2 - Above Average Wear	
Mirror Condition	One or more mirrors are broken or missing	
Exterior Lights	3 - Normal Wear & Tear	
Exterior Lights Condition	No visible damage, lighting system is operational, Other (see comments)	
Comments	Front lighting slightly worn	

Control Station Inspection Points

Control Station

Inspection Report (Material Handler)

Serial Number Plate Photo



Control Station Photos



Inspection Report (Material Handler)



Inspection Report (Material Handler)



Inspection Report (Material Handler)



Inspection Report (Material Handler)





Inspection Report (Material Handler)



Inspection Report (Material Handler)





Inspection Report (Material Handler)

	
Control Station Overall Rating	2 - Above Average Wear
Control Station Overall Condition	Minor cosmetic wear to cabin surfaces, floors, panels, and ceiling, Other (see comments)
Comments	Could use a good cleaning, A/C & Heater Non Operational
Operator Seat	3 - Normal Wear & Tear
Operator Seat Condition	Seat(s) have minor surface staining or small tears
Comments	Cab Fan Switches may be inoperable or fan faulty
Cabin Lights	3 - Normal Wear & Tear
Cabin Lights Condition	Cabin lights are installed with all light covers in place, bulbs are installed and working properly
Safety Lock Out / Stop	3 - Normal Wear & Tear
Safety Lock Out / Stop Condition	Safety lock out device is present, in good condition, and functional
Controls & Switches	3 - Normal Wear & Tear
Controls & Switches Condition	One or more switches are inoperative or missing
Hour Meter Activity	3 - Normal Wear & Tear
Hour Meter Condition	Hour meter is functional and in good condition
Hour Meter Activity Photos	
Other Gauge Activity	3 - Normal Wear & Tear

Inspection Report (Material Handler)

Other Gauge Condition	All cockpit gauges are functional and in good condition
Other Gauge Activity Photos	
	
	

Inspection Report (Material Handler)

	
	
Heater & A/C	2 - Above Average Wear
Heater & A/C Condition	Fan vents are not blowing air, Other (see comments)
Comments	A/C & Heater Inoperable
Travel Alarm	2 - Above Average Wear
Travel Alarm Condition	System is configured but not operating correctly
Horn	3 - Normal Wear & Tear
Horn Condition	Horn is installed and functioning as expected
Backup Camera	3 - Normal Wear & Tear
Backup Camera Condition	Back up camera is installed and functioning as expected

Engine Inspection Points

Engine

Engine Type (Make, Model, Cylinders, Hp)	Cummins - QSB6.7 - 6Cyl. - 173HP
Emissions Tier	Tier 3
Engine Serial Number	74693561
Engine Fuel Type	Diesel

Inspection Report (Material Handler)

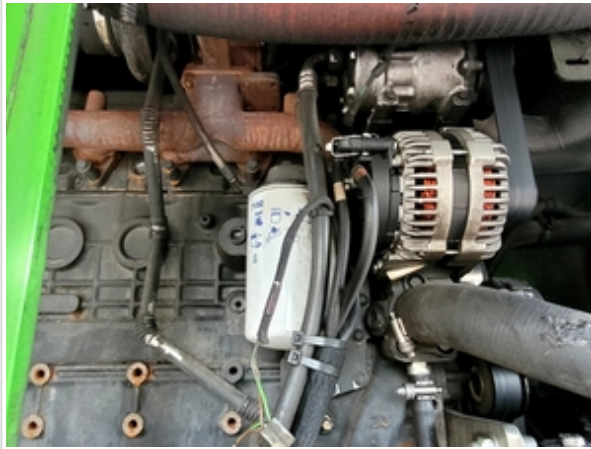
Engine Photos





Inspection Report (Material Handler)






Inspection Report (Material Handler)



Inspection Report (Material Handler)

	
	
Blow-by (Visual Observation Check)	No
Unusual Noises (Upon Start-up, Idle, Shutdown)	No
Unusual Noise Notes	No unusual noises heard
Engine Smoke (Upon Start-up, Idle, Shutdown)	No
Engine Smoke Notes	No engine smoke issues observed
Engine Exhaust Color	Clear
Battery	3 - Normal Wear & Tear
Battery Condition	Other (see comments), Dusty & dirty appearance
Comments	Batteries missing hold down bracket

Inspection Report (Material Handler)

Battery Condition Photos	
	
	
Radiator	3 - Normal Wear & Tear
Radiator Condition	Radiator fins & components appear to be in good working order, no signs of damage or leaks
Belts	3 - Normal Wear & Tear
Belt Condition	Belts appear in good condition & alignment with proper tension
Hoses	3 - Normal Wear & Tear
Hose Condition	Firm, pliant hoses with no signs of wear or leaks
Water Pump	3 - Normal Wear & Tear

Inspection Report (Material Handler)

Water Pump Condition	No unusual pump noises heard
Cooling System Leaks	No
Coolant Color / Appearance	3 - Normal Wear & Tear
Coolant Color/Appearance Notes	Normal Translucent appearance, no visual signs of contamination
Oil Leaks	No
Oil Color / Appearance	3 - Normal Wear & Tear
Oil Color / Appearance Notes	Clean oil appearance, no signs of cross contamination, Appropriate oil level
Fuel Leaks	No
Equipped with DPF (Diesel Particulate Filter)	No
Requires DEF (Diesel Exhaust Fluid)	No
Overall Engine Appearance	Clean & dry
Overall Engine Comments	Engine replaced by authorized dealer in April of 2021. Engine has less than 2 years of operating time and sounds healthy under load. No active leaks seen and no operating issues observed during inspection.

Drivetrain Inspection Points

Drivetrain

Drivetrain	Take close-up photos of the drivetrain components including transmission housing, drive shaft, drive motors, fittings, and hoses. Note any damage or wear.
Drivetrain Photos	

Inspection Report (Material Handler)



Inspection Report (Material Handler)



Inspection Report (Material Handler)



Inspection Report (Material Handler)






Inspection Report (Material Handler)



Inspection Report (Material Handler)



Inspection Report (Material Handler)

		
		
		
Hydrostatic Transmission?	Yes	
2 Speed?	No	
Hydrostatic Drive Configuration	Other (see comments)	
Transmission Components	3 - Normal Wear & Tear	
Transmission Condition	Good forward and reverse function, No unusual noises or vibrations	
Drive Motors	0	
Parking Brake	3 - Normal, Operating as Expected	
Parking Brake Function	Good brake function	
Overall Drivetrain Comments	Drivetrain functions normally with no abnormal travel, steering and brake functions observed.	

Inspection Report (Material Handler)

Chassis Inspection Points

Chassis Photos



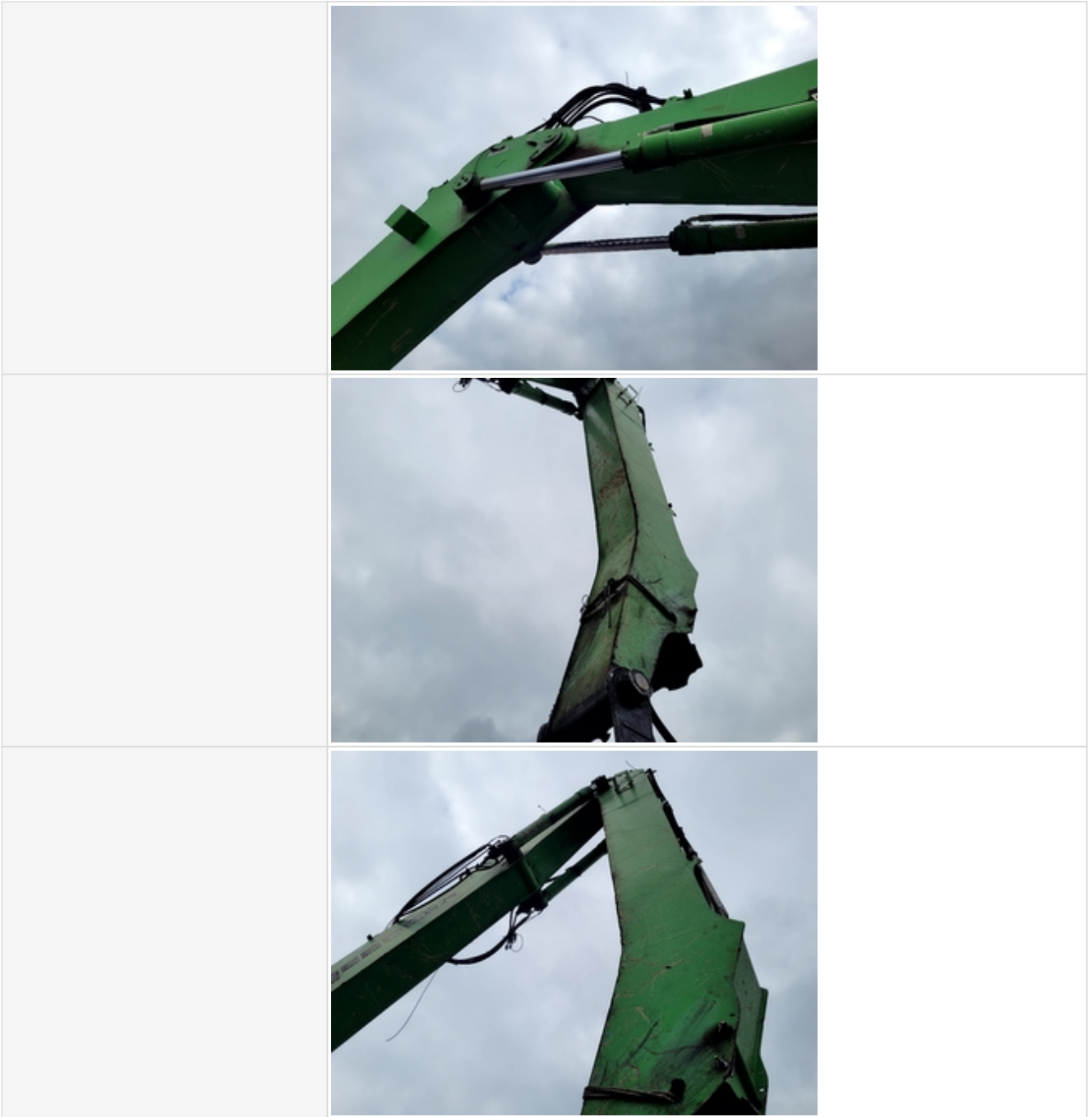
Inspection Report (Material Handler)



Inspection Report (Material Handler)



Inspection Report (Material Handler)



Inspection Report (Material Handler)



Inspection Report (Material Handler)



Inspection Report (Material Handler)



Inspection Report (Material Handler)



Inspection Report (Material Handler)



Inspection Report (Material Handler)



Inspection Report (Material Handler)



Inspection Report (Material Handler)



Inspection Report (Material Handler)






Inspection Report (Material Handler)



Inspection Report (Material Handler)



Inspection Report (Material Handler)




		
		
		
Turntable Bearing	3 - Normal Wear & Tear	
Boom Base Pin & Bushings	3 - Normal Wear & Tear	
Boom Condition	3 - Normal Wear & Tear	
Boom-to-Stick Pin and Bushings	3 - Normal Wear & Tear	
Stick Condition	3 - Normal Wear & Tear	
Stick-to-Attachment Pin & Bushings	3 - Normal Wear & Tear	
Bottom Covers	3 - Normal Wear & Tear	

Inspection Report (Material Handler)




Wheels & Tires Inspection Points

Wheels & Tires



Wheels & Tires Inspection Points

Wheels & Hub Condition	3
Comments	Wheels & Hubs in good condition (no obvious signs of wheel seal leaks but unable to get a closeup, clear view due to debris buildup around inner wheel. Some tires missing large pieces of solid rubber
Wheels & Hub Photos	
	
	
Wheel Seal Leaks	N/A
Tire Brand	Bomber
Tire Size	10.00-20
Front Left Tire - Ratio Remaining	50%




Inspection Report (Material Handler)

<p>Front Left Tire Photos</p>	
	
	
<p>Front Right Tire - Ratio Remaining</p>	<p>50%</p>




Inspection Report (Material Handler)

<p>Front Right Tire Photos</p>		
		
		
<p>Rear Right Tire - Ratio Remaining</p>	<p>50%</p>	

Inspection Report (Material Handler)

<p>Rear Right Tire Photos</p>		
		
		
<p>Rear Left Tire - Ratio Remaining</p>	<p>30%</p>	

Inspection Report (Material Handler)

<p>Rear Left Tire Photos</p>		
		
		

Hydraulics Overall Inspection Points

Hydraulics Overall

<p>Hydraulic System</p>	<p>Take close-up photos of the hydraulic components including the pump, lines, fittings, controls, and levers. Note any damage, wear, or leaks.</p>
-------------------------	---

Inspection Report (Material Handler)

Hydraulic System Photos



Hydraulics Under Cab



The circled area has minor hydraulic oil buildup. Minor active leak present at swivel.



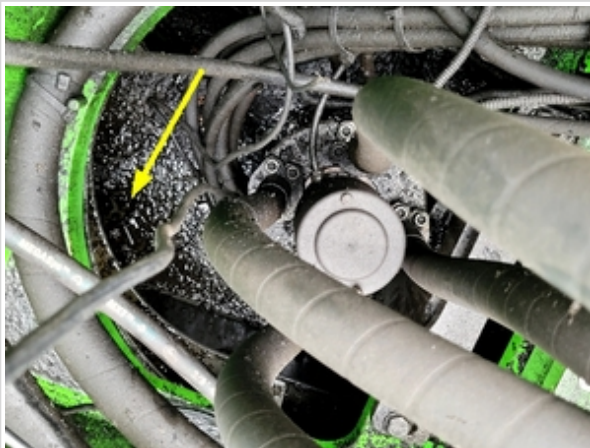
Inspection Report (Material Handler)



Hydrostatics Pump main area, beneath center of machine has minor oil buildup on surface of bottom machine guards.



Bottom of Main control valve



Hyd. Oil buildup seen at pointed area. Active leak in the area may be present.

Inspection Report (Material Handler)



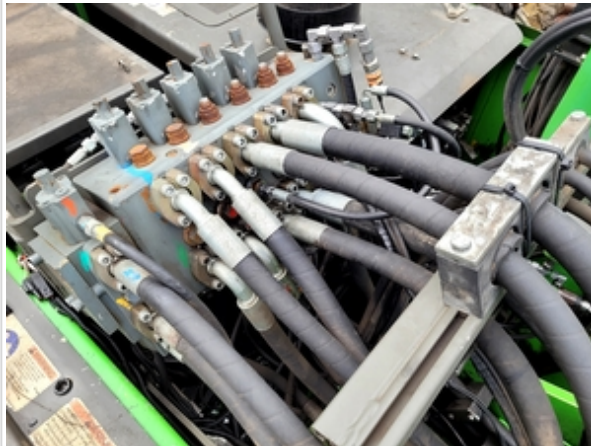
Machine Swing Motor & Drive Unit



Inspection Report (Material Handler)



Topside of Hydraulic Tank



Main control valve is leak free and hoses to it are in good shape.



Inspection Report (Material Handler)

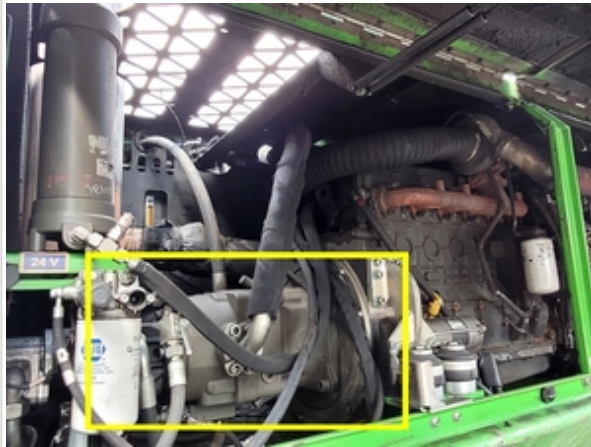


Inspection Report (Material Handler)



Main hydraulic pump

Inspection Report (Material Handler)






Main Hydraulic Pump Has well maintained appearance.



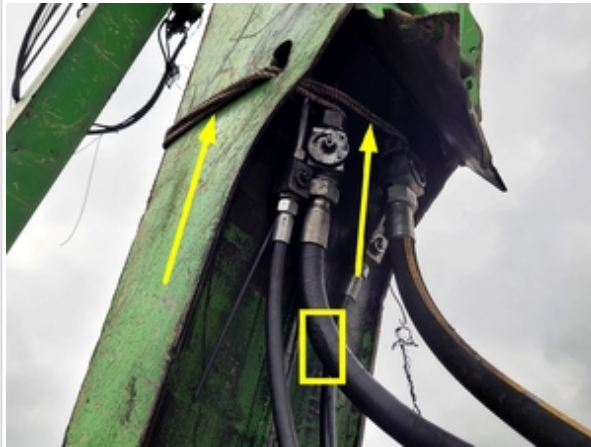
Circled area slightly leaking and pointed area shows hose surface rubbing



Inspection Report (Material Handler)

	
	
Wet or Damp Hydraulic Lines / Fittings	Yes
Appearance of Hydraulic Lines / Fittings	3 - Normal Wear & Tear
Hydraulic Lines / Fittings Condition	Hydraulic lines & fittings are clean and in good condition, Active leaks in hoses or fittings observed, Other (see comments), Worn, cut, or damaged hose covering
Comments	Most hydraulic hoses in good shape with some hoses showing signs of minor active leaks. Auxiliary hyd. hoses missing mount bracket on stick, above Grapple. Grapple Hydraulic hoses damaged and may need to be replaced soon. Some minor active hyd. oil buildup seen on Grapple surface.
Appearance of Hydraulic Lines / Fittings Photos	

Inspection Report (Material Handler)



Main Auxiliary Hose brackets missing and minor seepage seen. Small surface damage observed.



Surface wet of residual hydraulic oil



Minor hydraulic fluid seen at bottom of hydraulic swivel

Inspection Report (Material Handler)

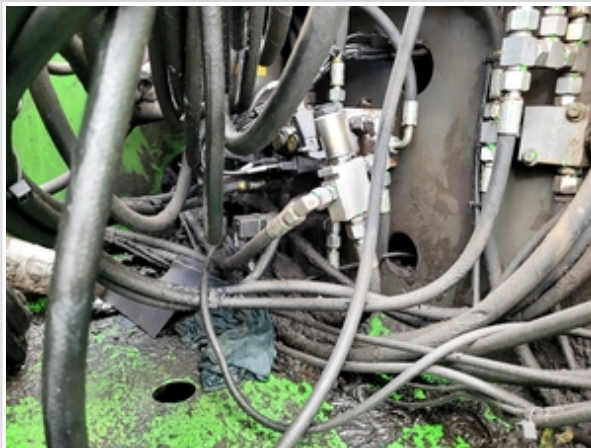
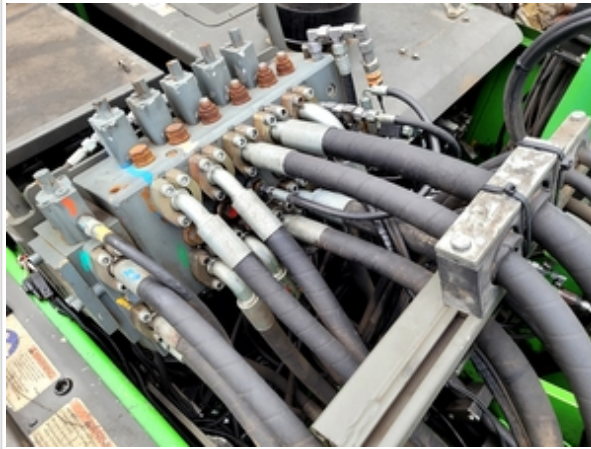


Highlighted Hose missing mounting brackets



Inspection Report (Material Handler)




Inspection Report (Material Handler)



Inspection Report (Material Handler)

	 <p>Hoses to Cab Raise & Lower Frame</p>
	 <p>Damaged Grapple Hyd. Hoses</p>
Unusual Noises (Hydraulic Pump)	No
Hydraulic Pump Notes	No unusual noises heard during operation
Swing Motor	3 - Normal Wear & Tear
Hydraulic Swivel Center	3 - Normal Wear & Tear

Hydraulic Cylinder Inspection Points

Boom Cylinder: Mounting Pins	3 - Normal Wear & Tear
Boom Cylinder: Oil Leaks	No
Boom Cylinder Photos	

Inspection Report (Material Handler)






Inspection Report (Material Handler)



Inspection Report (Material Handler)



Inspection Report (Material Handler)

Stick Cylinder: Mounting Pins	3 - Normal Wear & Tear
Stick Cylinder: Oil Leaks	Yes
Comments	No active leaks seen but minor signs of seepage may be present from both cylinders
Stick Cylinder Photos	
	
	

Inspection Report (Material Handler)






Inspection Report (Material Handler)



Could be old grease lyquifyin down cylinder from rod end.



Inspection Report (Material Handler)

		
Outrigger Cylinder(s): Mounting Pins	4 - Like New, Recently Replaced	
Outrigger Cylinder(s): Oil Leaks	No	
Outrigger Cylinder(s) Photos		
		

Inspection Report (Material Handler)



Attachment Inspection Points



Inspection Report (Material Handler)






Inspection Report (Material Handler)



Inspection Report (Material Handler)



Inspection Report (Material Handler)

	
	
	
Grapple	3 - Normal Wear & Tear
Shear	0

Functional Test

Forward & Reverse	3 - Normal, Operating as Expected
Brake	3 - Normal, Operating as Expected
Hydraulics	3 - Normal, Operating as Expected
Swing Table Rotation	3 - Normal, Operating as Expected

Inspection Report (Material Handler)

Boom Lift / Angle / Tilt	3 - Normal, Operating as Expected
Overall Functional Test Comments	All machine's main functions working great. Machine travels, steers and brakes well in all directions. Main boom, stick, 360° turning and Grapple work with no obvious operating issues.
Operating Video	Click to Download
Additional Video	Click to Download
Additional Video	Click to Download

Overall Assessment

Overall Assessment	
Exterior Rating	3 - Normal Wear & Tear
Interior Rating	3 - Normal Wear & Tear
Safety Rating	3 - Normal Wear & Tear
Quality Rating	3 - Normal Wear & Tear
Functionality Rating	3 - Normal, Operating as Expected
Overall Rating	3 - Normal Wear & Tear
What's Great About the Machine	Engine recently replaced and main hydraulic system has well maintained appearance. No active leaks observed from machines cylinders.
What Needs Work	Multiple hydraulic leaks present that mainly seem to be coming from hoses and hose connections. Grapple attachment connecting pins missing proper retainers and some excess play observed. Machine bottom covers missing. Normal wear and tear seen all around exterior considering work environment. A/C, Heater and Cab Fan Inoperable. Some solid tires have large pieces of sidewall rubber missing.
Date/Time	03-16-2023