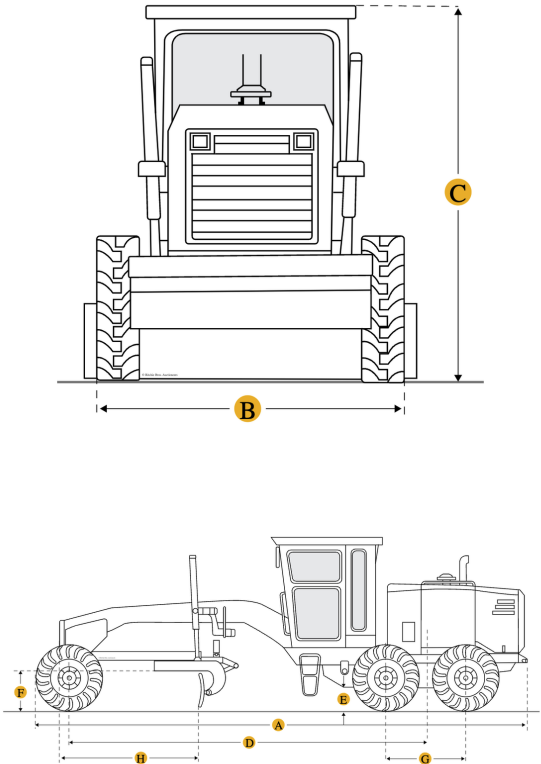


Inspection Report (Motor Grader)

General Info

Year	2014
Make	CAT
Model	140 M3
Serial Number	N9J00126
Hour Meter Reading	11,131 Hrs.
Previous Application (e.g., earth moving, mining, demolition, etc)	Grading

Dimensions

Measurement Guide	
D. Attachment Width (ft and inches)	N/A
Operational Weight (lbs)	44,115 Lbs.

Features and Configuration

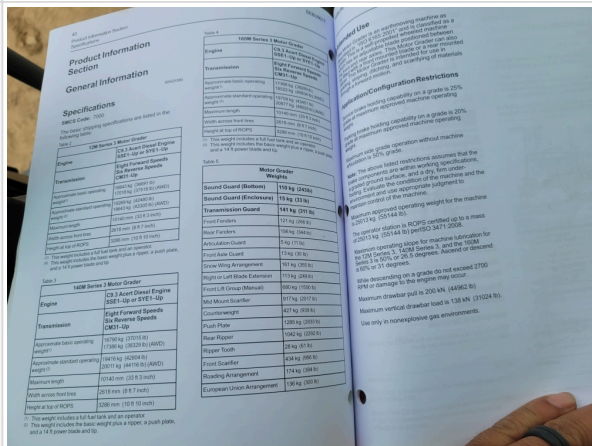
Control Station Type	Cab
Blade	Yes
Blade Type	S
Blade Specs	14' Wide Side Cutting Edge to Side Cutting Edge, Generic Blade
Push Block	No

Inspection Report (Motor Grader)

Front Lift Group	Yes
Front-Mounted Scarifier	No
Mid-Mount Scarifier	No
Rear Ripper/Scarifier	Yes
Rear Ripper/Scarifier Specs	5 Ripper (Only 4 Installed) 9 Scarifier (0 Installed)
Snow Wing	No
Windrow Eliminator	No
Heat	Yes
A/C	Yes
Radio	Yes
Backup Camera	Yes
OMM (Operator & Maintenance Manual)	Yes
Grade Control	Yes
Grade Control System Make & Model	TOPCON 3D-MC (Not Included with Machine)
GPS	No
Telematics	No

OMM Specifications

OMM Specifications

Detail Specifications	Take photos of the detailed spec pages included in the operator's manual
OMM Spec Photos	

Inspection Report (Motor Grader)

Table 3 140M Series 3 Motor Grader	
Engine	C9.3 Acert Diesel Engine SSE1-Up or SYE1-Up
Transmission	Eight Forward Speeds Six Reverse Speeds CM31-Up
Approximate basic operating weight ⁽¹⁾	16790 kg (37015 lb) 17386 kg (38329 lb) (AWD)
Approximate standard operating weight ⁽²⁾	19416 kg (42804 lb) 20011 kg (44116 lb) (AWD)
Maximum length	10140 mm (33 ft 3 inch)
Width across front tires	2618 mm (8 ft 7 inch)
Height at top of ROPS	3286 mm (10 ft 10 inch)

⁽¹⁾ This weight includes a full fuel tank and an operator.
⁽²⁾ This weight includes the basic weight plus a ripper, a push plate, and a 14 ft power blade and tip.

Exterior Walkaround Photos

Exterior 360 Walkaround

Exterior Walkaround Photos



Inspection Report (Motor Grader)



Inspection Report (Motor Grader)



General Appearance Inspection Points

General Appearance

Inspection Report (Motor Grader)

Close-up Exterior Photos



Inspection Report (Motor Grader)



Inspection Report (Motor Grader)



Inspection Report (Motor Grader)






Inspection Report (Motor Grader)





Inspection Report (Motor Grader)



Inspection Report (Motor Grader)

	
	
	
Body Panels	3 - Normal Wear & Tear
Body Panel Condition	No visible damage, good paint condition and panel fitment
Doors / Canopy Latches	3 - Normal Wear & Tear
Doors / Canopy Latches Condition	No visible damage
Steps / Ladders	3 - Normal Wear & Tear
Steps / Ladders Condition	Bent or broken steps or rungs, Other (see comments)
Comments	L/S Operator Cab Step Assembly bottom bent. R/S bottom slightly bent

Inspection Report (Motor Grader)

Steps / Ladders Photos	
	
Handrails	3 - Normal Wear & Tear
Handrails Condition	Handrails are fully intact and appear structurally sound
Glass	3 - Normal Wear & Tear
Glass Condition	Glass intact, no visible damage
Mirrors	3 - Normal Wear & Tear
Mirror Condition	Mirrors present and intact, no visible damage
Exterior Lights	3 - Normal Wear & Tear
Exterior Lights Condition	No visible damage, lighting system is operational

Control Station Inspection Points

Control Station

Inspection Report (Motor Grader)

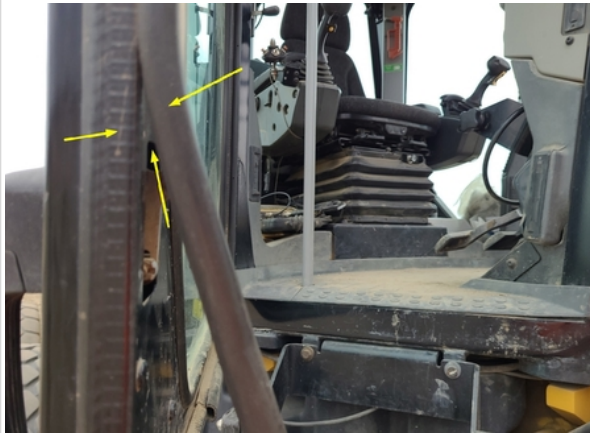
Serial Number Plate Photo



Control Station Photos



Inspection Report (Motor Grader)



R/S Door Weather Stripping damaged



Inspection Report (Motor Grader)



Inspection Report (Motor Grader)



Inspection Report (Motor Grader)



Inspection Report (Motor Grader)



Inspection Report (Motor Grader)



Inspection Report (Motor Grader)



Inspection Report (Motor Grader)






Inspection Report (Motor Grader)






Inspection Report (Motor Grader)



Inspection Report (Motor Grader)

		
		
		
Control Station Overall Rating	3 - Normal Wear & Tear	
Control Station Overall Condition	Good cabin appearance, solid floors, panels, and ceiling	
Operator Seat	3 - Normal Wear & Tear	
Operator Seat Condition	Seat(s) in good condition, no stains or tears in upholstery	

Inspection Report (Motor Grader)

Operator Seat Photos	
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
Cabin Lights Photos	 
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	All switches are installed and functional
Hour Meter Activity	3 - Normal Wear & Tear
Hour Meter Condition	Hour meter is functional and in good condition




Inspection Report (Motor Grader)

Hour Meter Activity Photos	
Other Gauge Activity	3 - Normal Wear & Tear
Other Gauge Condition	All cockpit gauges are functional and in good condition
Heater & A/C	3 - Normal Wear & Tear
Heater & A/C Condition	Heater and A/C work as expected
Travel Alarm	3 - Normal Wear & Tear
Travel Alarm Condition	Travel alarm is installed and functioning as expected
Horn	3 - Normal Wear & Tear
Horn Condition	Horn is installed and functioning as expected
Backup Camera	2 - Above Average Wear
Backup Camera Condition	Other (see comments), Back up camera is installed but inoperative or has reduced functionality
Comments	Backup camera and monitor installed. Monitor bot showing rear camera view (Blank Blue Screen) Further Inspection of backup camera recommended.
Backup Camera Photos	

Engine Info & Inspection Points

Engine	
Engine Type (Make, Model, Cylinders, Hp)	CAT - C9.3L - 6Cyl. - 180HP
Emissions Tier	Tier 4F

Inspection Report (Motor Grader)

Engine Serial Number	SYE01001
Engine Fuel Type	Diesel
Engine Photos	
	
	

The top photograph shows a close-up of a yellow fuel line on a Caterpillar engine, wrapped in a red safety sleeve. The middle photograph shows a white emission control label for the C9.3 ACERT engine, featuring the CAT logo, technical specifications, and a barcode. The bottom photograph shows a metal nameplate with the CAT logo and 'C9.3 ACERT' text, mounted on the engine block.

Inspection Report (Motor Grader)



Inspection Report (Motor Grader)



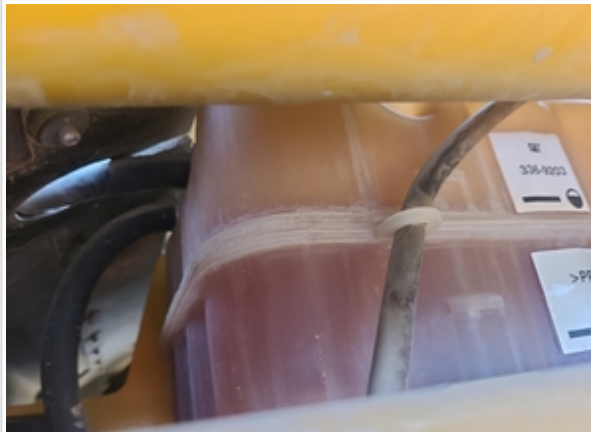
Inspection Report (Motor Grader)




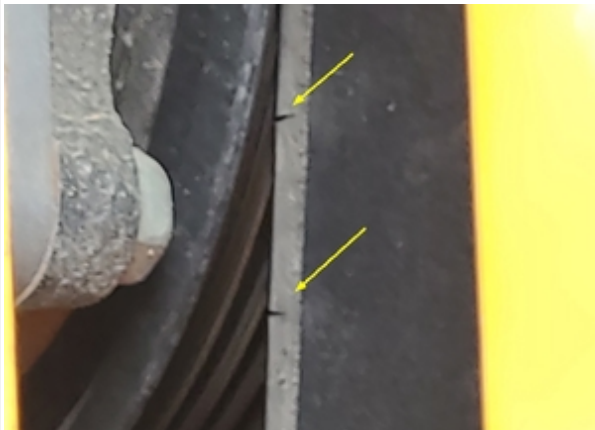
Inspection Report (Motor Grader)





Inspection Report (Motor Grader)



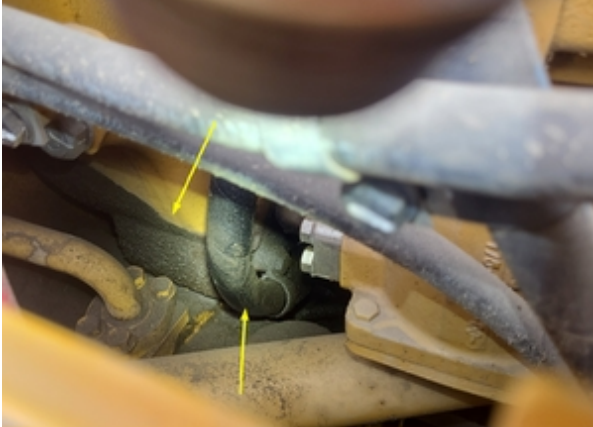
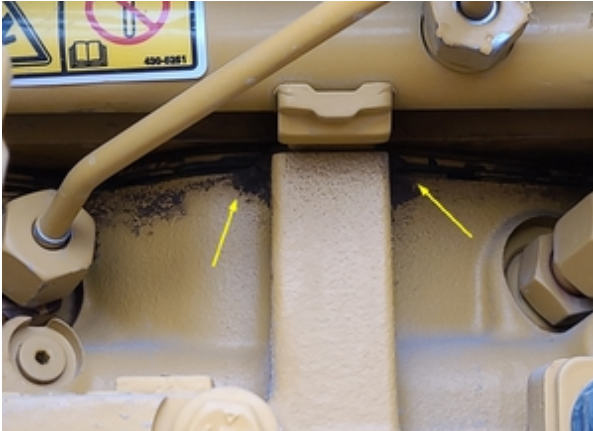
Inspection Report (Motor Grader)

	
Blow-by (Visual Observation Check)	Yes
Comments	Minor and Consistent BlowBy Seen at breather hose L/S Bottom Pump Drive area.
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	Clean & dry appearance, tight connections
Radiator	3 - Normal Wear & Tear
Radiator Condition	Radiator fins & components appear to be in good working order, no signs of damage or leaks
Belts	2 - Above Average Wear
Belt Condition	Frayed belt edges observed, Cracks, missing grooves, or separating layers on one or more belts, Other (see comments)
Comments	Serpentine Belt needs to be replaced soon
Belt Photos	 <p>Serpentine Cracked</p>

Inspection Report (Motor Grader)

Hoses	3 - Normal Wear & Tear
Hose Condition	Leaks in one or more hoses or fittings observed, Other (see comments), Firm, pliant hoses with no signs of wear or leaks
Water Pump	3 - Normal Wear & Tear
Water Pump Condition	No unusual pump noises heard
Cooling System Leaks	Yes
Cooling System Condition	Wetness observed on cooling system hoses
Comments	Minor Leak observed at rear L/S Radiator Hose
Cooling System Leaks Photos	 <p>Minor Coolant Seen</p>
Coolant Color / Appearance	3 - Normal Wear & Tear
Coolant Color/Appearance Notes	Normal Translucent appearance, no visual signs of contamination
Oil Leaks	Yes
Oil Leak Notes	Dried oil seepages seen, Wetness & discoloration observed, Other (see comments)
Comments	Possible engine oil leak at cooler hose routing beneath R/S Pump Housing. Minor residual oil around valve cover (May not be active)
Oil Leak Photos	 <p>This hose has residual oil buildup</p>




Inspection Report (Motor Grader)

	 <p>Hose and bottom of pump drive housing has residual oil buildup</p>
	
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)	Yes
DPF Condition	3 - Normal Wear & Tear
DPF Condition Notes	Filter housing is intact with no signs of damage or malfunction, DPF indicator is not illuminated
Requires DEF (Diesel Exhaust Fluid)	Yes
DEF Tank	3 - Normal Wear & Tear
DEF Tank Condition	Area around DEF tank cap is clean, fluid is clear & appears free of contaminants
Overall Engine Appearance	Clean & dry
Overall Engine Comments	Overall engine sounds healthy under load. Besides what could be a minor oil leak at oil cooler hose, the engine has a well maintained appearance.

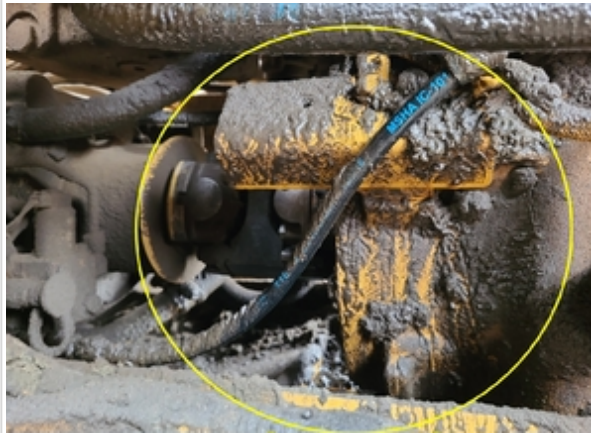
Drivetrain Inspection Points

Drivetrain

Inspection Report (Motor Grader)

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 (Motor Grader)



L/S of Transmission Housing has residual buildup. Actual Origins of leak unknown.



Residual oil buildup on rear axle area

Inspection Report (Motor Grader)



Inspection Report (Motor Grader)






Inspection Report (Motor Grader)






Inspection Report (Motor Grader)



Inspection Report (Motor Grader)

		
Hydrostatic Transmission?	No	
2 Speed?	No	
Hydrostatic Drive Configuration	Split Transmission	
Transmission Info (Make/Model/Speeds)	Powershift 8 Speed Fwd/6 Speed Reverse/ Front is Hydrostatic AWD	
Transmission Components	3 - Normal Wear & Tear	
Transmission Condition	Good forward and reverse function, Leaking transmission fluid observed, Other (see comments)	
Comments	Rear transmission housing is half covered in residual oil that may relate to active Trans., Hyd., & or Engine fluid leaks.	
Transmission Photos		
		

Inspection Report (Motor Grader)

		
Drive Motors	3 - Normal, Operating as Expected	
Comments	Front drive motors have some.	
Parking Brake	3 - Normal, Operating as Expected	
Parking Brake Function	Good brake function	
Overall Drivetrain Comments	Machine travels well and AWD works as expected.	
Rear Tandems (Chain Drives) Condition	3 - Normal Wear & Tear	
Rear Tandems Photos		
		




Inspection Report (Motor Grader)





L/S Tandem has residual oil buildup




Inspection Report (Motor Grader)

	
	 Right Side Tandem
	
Rear Drive Axle	3 - Normal Wear & Tear
Comments	Has residual oil buildup around rear axle

Inspection Report (Motor Grader)

Rear Drive Axle Photos		
		

Chassis Inspection Points

Frame Condition	3 - Normal Wear & Tear
Frame Photos	




Inspection Report (Motor Grader)



Inspection Report (Motor Grader)



Inspection Report (Motor Grader)




		
		
		
Y-Frame Pivot Trunnion Condition	3 - Normal Wear & Tear	

Inspection Report (Motor Grader)

Y-Frame Pivot Trunnion Photos



Inspection Report (Motor Grader)

		
Blade Tilt Frame (Saddle) Condition	3	
Blade Tilt Frame (Saddle) Photos		
		

Inspection Report (Motor Grader)



Large Gap, worn wearpads all around



Blade slide rail Bushings/wear plates worn and some missing



Large gap = worn bushings




Inspection Report (Motor Grader)



worn



Inspection Report (Motor Grader)




		
		
		
Articulation Joint Condition	3	

Inspection Report (Motor Grader)

Articulation Joint Photos



Inspection Report (Motor Grader)

	
	
	
Belly Pans	3 - Normal Wear & Tear
Circle Frame & Bracket Condition	3 - Normal Wear & Tear

Inspection Report (Motor Grader)

Circle Frame & Bracket Photos



Inspection Report (Motor Grader)



Inspection Report (Motor Grader)






Inspection Report (Motor Grader)



Inside of circle wear pad to top



Inspection Report (Motor Grader)




	 <p>Circle rotational wear pads worn</p>
	 <p>inside circle wall showing minor pitting</p>
	
Circle Gearbox Condition	3 - Normal Wear & Tear

Inspection Report (Motor Grader)




Circle Gearbox Photos



Inspection Report (Motor Grader)

		
		
Circle Gear Condition	3 - Normal Wear & Tear	
Circle Wear Strips Condition	2 - Above Average Wear	
Pinion Seals	3 - Normal Wear & Tear	
Articulating Center Pins	3 - Normal Wear & Tear	
Articulating Center Pins Photos		

Inspection Report (Motor Grader)




		
		
		
Front Axle Oscillating Pin Condition	3 - Normal Wear & Tear	

Inspection Report (Motor Grader)




Front Axle Oscillating Pin Photos






Inspection Report (Motor Grader)

	
	
Steering Linkage	3 - Normal Wear & Tear
Steering Linkage Photos	




Inspection Report (Motor Grader)

		
		
Wheel Tilt Linkage	3 - Normal Wear & Tear	
Wheel Tilt Linkage Photos		




Inspection Report (Motor Grader)

		
		
		
Tire Brand	Qty5 - YOKOHAMA Qty1. (Triangle)	
Tire Size	17.5R25	
Front Left Tire - Ratio Remaining	10%	

Inspection Report (Motor Grader)

Front Left Tire Photos		
Rear Left Tires - Ratio Remaining	10%	
Rear Left Tire Photos		
		
Rear Right Tires - Ratio Remaining	10%	

Inspection Report (Motor Grader)

Rear Right Tire Photos		
		
Front Right Tire - Ratio Remaining	10%	
Front Right Tire Photos		
Overall Chassis Assessment	3 - Normal Wear & Tear	
Overall Chassis Comments	Main frame in good shape. Normal wear and tear on the suspension.	

Hydraulics Overall Inspection Points

Hydraulics - Overall

Hydraulic System	Take close-up photos of the hydraulic components including the pump, lines, fittings, controls, and levers. Note any damage, wear, or leaks.
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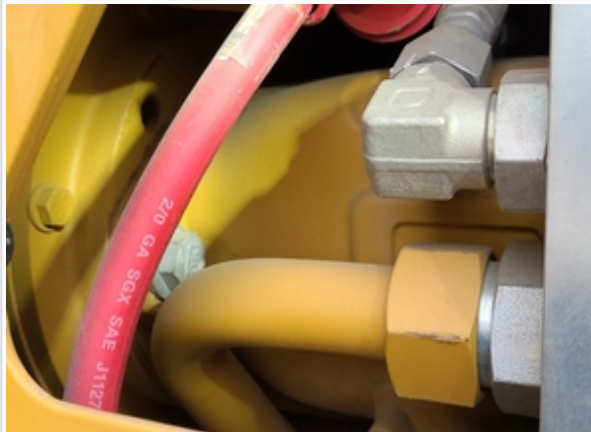
Inspection Report (Motor Grader)

Hydraulic System Photos



Active minor hydraulic leak

Inspection Report (Motor Grader)



Inspection Report (Motor Grader)



Inspection Report (Motor Grader)



Residual oil buildup on bottom r/s pump




Inspection Report (Motor Grader)




Inspection Report (Motor Grader)






Inspection Report (Motor Grader)

	
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)
Comments	Active leak at rear left side under hyd. tank hoses area. Front drive motors have residual oil/grease buildup. May be leaking or just grease.
Unusual Noises (Hydraulic Pump)	No
Hydraulic Pump Notes	No unusual noises heard during operation
Comments	Hydraulics work well and sound healthy under pressure.




Hydraulics Cylinders Inspection Points

Blade Lift Cylinder	Check the cylinders and mounting pins. Note any wear, pitting, discoloration, etc. Take photos.
Blade Lift Cylinder: Mounting Pin	3
Blade Lift Cylinder: Oil Leaks	No
Blade Lift Cylinder Photos	




Inspection Report (Motor Grader)

	 <p>very minor residual oil buildup at rod seal</p>
	
	 <p>very minor residual oil buildup at rod seal</p>
Blade Angle Cylinder	Check the cylinders and mounting pins. Note any wear, pitting, discoloration, etc. Take photos.
Blade Angle Cylinder: Mounting Pin	3
Blade Angle Cylinder: Oil Leaks	No




Inspection Report (Motor Grader)

Blade Angle Cylinder Photos	
Blade Side Shift Cylinder	Check the cylinders and mounting pins. Note any wear, pitting, discoloration, etc. Take photos.
Blade Side Shift Cylinder: Mounting Pin	3
Blade Side Shift Cylinder: Oil Leaks	No
Blade Side Shift Cylinder Photos	
	

Inspection Report (Motor Grader)

		
		
		
Articulation Cylinder	Check the cylinders and mounting pins. Note any wear, pitting, discoloration, etc. Take photos.	
Articulation Cylinder: Mounting Pin	3	
Articulation Cylinder: Oil Leaks	No	

Inspection Report (Motor Grader)

Articulation Cylinder Photos	
	
Wheel Lean Cylinders	Check the cylinders and mounting pins. Note any wear, pitting, discoloration, etc. Take photos.
Wheel Lean Cylinder: Mounting Pin	3
Wheel Lean Cylinder: Oil Leaks	No
Comments	Wheel Lean Cylinder not leaking just grease buildup from suspension
Wheel Lean Cylinder Photos	

Inspection Report (Motor Grader)



Grease buildup from nearby grease point area on wheel



Inspection Report (Motor Grader)





Minor Residual Oil seen at brood seal (R/S Steer Cylinder)



Circle Positioning Cylinders	Check the cylinders and mounting pins. Note any wear, pitting, discoloration, etc. Take photos.
Circle Positioning Cylinder: Mounting Pin	3
Circle Positioning Cylinder: Oil Leaks	No
Scarifier Lift Cylinders	Check the cylinders and mounting pins. Note any wear, pitting, discoloration, etc. Take photos.
Scarifier Lift Cylinder: Mounting Pin	3


Inspection Report (Motor Grader)

Scarifier Lift Cylinder: Oil Leaks	No
Scarifier Lift Cylinder Photos	
	

Front Lift Group

Front Lift Group Condition	3
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Blade Inspection Points

Blade Condition	3 - Normal Wear & Tear
Blade Photos	

Inspection Report (Motor Grader)






Inspection Report (Motor Grader)

		
Blade Cutting Edge Condition	2 - Above Average Wear	
Comments	Bottom edge blade can be flipped to extend life.	
Blade Edge Photos		
		

Scarifier Inspection Points

Rear Ripper/Scarifier Condition	3 - Normal Wear & Tear
----------------------------------------	------------------------

Inspection Report (Motor Grader)

Rear Ripper/Scarifier Photos		
		
		

Functional Test

Forward & Reverse	3 - Normal, Operating as Expected
Steering	3 - Normal, Operating as Expected
Lift / Angle / Tilt	3 - Normal, Operating as Expected
Blade Functionality	3 - Normal, Operating as Expected
Scarifier Functionality	3 - Normal, Operating as Expected
Overall Functional Test Comments	Overall Machine functions well with no obvious operating issues observed. Engine, Hydraulics and transmission working as expected.

Inspection Report (Motor Grader)

Operating Video	Click to Download
Additional Video	Click to Download
Additional Video	Click to Download

Inspection Summary

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	Machine's Exterior and Interior in nice shape. No damage to exterior panels or interior items. Engine, Pump Drive, Pumps, and Main Implements in solid shape.
What Needs Work	Minor oil leaks found in rear powertrain and should be further inspected. Circle and Blade needs to be reshimmed. Some codes had recently occurred and logged in operator panel but no active codes seen during the inspection. Both steps bent. Backup Camera Monitor inoperable. All tires need to be replaced soon.
Date/Time	05-30-2023