

# 2020 CAT 14013 MOTOR GRADERS

## INSPECTION DETAILS

Inspection Type	Marketing
Inspection Form	Standard
Inspection #	10181517
Inspection Status	Completed
Created	02/11/25 16:36:59
Updated	03/06/25 11:21:26
Created By	Calderas, Marco
Inspector	Calderas, Marco
Reviewers	Calderas, Marco
Salesperson	Schultis, Derrick R.
Stock #	E201798
Serial #	N9400359
SMU / Hours	5,242
Location	Eloy, AZ 85131, United States



## FEATURES

### General

- **Air Conditioner**
- **Circle Clutch**
- **Drive - Tandem**
- **Mirrors**
- **Pushblock**
- **ROPS - Enclosed**
- **Throttle Lock**
- **Air Suspension Seat**
- **Defroster Fan**
- **Guard, Transmission**
- **Moldboard Size - 14'**
- **Radio - AM FM Radio**
- **Steering Type - Wheel**
- **Beacon**
- **Differential Lock**
- **Lighting**
- **Product Link**
- **Ripper - Multi-Shank**
- **Supplemental Steering**

### Regulatory

- **Emissions Level - EPA - EPA**
- **TIER 4f**
- **Ultra Low Sulfur Diesel Fuel**

### Technology

- **Accugrade Ready**

### Attachments

- **Scarifier**

**CONDITION** Good Fair Poor**Approved Repair****GENERAL CONDITION**Body  
Frame - GENERAL CONDITION  
General  
ET Product Status Report  
Download  
**YES**Logged / Active Codes  
**NO** Machine Starts and is Operable  
**YES**S.O.S. (All Compartments)  
**NO**Tires are Aired Up and Drivable  
**YES**Visible Oil Leaks  
**NO****GENERAL APPEARANCE**Battery Box  
Cab or Canopy  
Crankcase Guard / Transmission  
Guard  
Decals  
  
hood decals are peeling. Draw Bar  
Engine Enclosures  
Fiberglass  
Front Frame Welds  
Fuel Tank  
Grab Irons  
Hood  
Paint  
Plastic (Exterior)  
Pre-Cleaner Bowl  
Radiator Grill  
Rear Frame Welds  
Sheet Metal  
Steps / Ladder  
Cleaning Required  
**NO**

## SAFETY ITEMS

Back Up Alarm 	Camera(s) 	Horn 
ROPS 	Seat Belt / Date 	 1
Parking Brake Functioning <b>YES</b>	ROPS Certification Plate <b>YES</b>	 1
Safety Decals Legible <b>NO</b> safety decals are torn	 2	Safety Locks / Pins <b>YES</b>
		 1
		Service Brakes Functioning <b>YES</b>

## OPERATOR STATION

Air Conditioner 	 1	Armrests 	Cab Filter / Heat Vent Louvres 
Dash Console 		Door Latches / Hinges / Seals 	Floor Boards / Mats 
Gauges 		Headliner 	Heater / Defroster 
Hour Meter - GAUGES, OPERATION STATION, CONSOLE 		Hydraulic Controls 	 1
Interior Plastic / Fabric 		Mirrors 	Interior Lights 
Pans/Guards 		Radio 	Monitoring Display 
Switches 		Transmission Controls 	Seat Cushions / Suspension / Type 
			 1
			Windows 
			Window tint on left cab door is scratched

## Windshield Wipers



Current O&MM

**YES**



Current Safety Manual

**YES**



## ENGINE

Belts / Pulleys - ENGINE



Engine Oil Level / Condition



Engine Supports / Mounts



Exhaust / Muffler / Stack



Fuel Injection System



Intake / Air Filters



Operating Condition - ENGINE



Turbocharger / Blower



Apparent Other Engine Damage

**NO**

Blow By

**NO**

Fuel Leaks

**NO**

Oil Leaks

**NO**

Water in Oil

**NO**

Oil Pressure (H/L/N)

Normal

Smoke Color (B/D/L/W)

Normal

## EMISSIONS

Aftertreatment Heat Shields /

Guards



DEF Lines / Wiring



Diesel Particulate Filter (DPF)

Condition / Service Hours



Aftertreatment System Codes

**NO**

Leaks / Type

**NO**

## COOLING SYSTEM

Anti-Freeze Level / Color /  
Condition



Red



Coolers



Fan



Fan Drive / Type



Fan Shrouds / Guards



Hoses / Tubes



Radiator



Water Pump



Compression in Radiator

**NO**

Coolant Leaks

**NO**

Oil in Anti-Freeze

**NO**

Standard Radiator

**YES**

## ELECTRICAL, STARTING AND CHARGING SYSTEM

Alternator



Batteries / Cables



Product Link / Condition



Starter



Wiring



Work Lights



Active Codes

**NO**

Jump Start Terminal

**YES**

Signal Lights

**YES**

## TRANSMISSION

Case - TRANSMISSION



Controls - TRANSMISSION



Cooler



Lines / Fittings - TRANSMISSION



Operating Condition -  
TRANSMISSION



Pump - TRANSMISSION



Seals



Temp / Pressure Gauges



Transmission - Forward Shifts



Transmission - Reverse Shifts



Valves



Leaks - TRANSMISSION

**YES**

Transmission - Noisy

**NO**

## STEERING

Articulate P & B  


King Pins  


Lines / Fittings  


Steering Column / Tilt  


Steering Cylinder  


Steering Frame  


Steering Linkage  


Steering Operating Condition  


Steering Pump  


Steering Valve  


Supplemental Steering  


Tie Rods / Rod Ends  


Wheel / Joystick  


Wheel Lean Cylinder - STEERING  


## BRAKE

Accumulators  


Brake Linkage  


Control Valve  


Lines  


Parking Brake Operation  


Pedal  


Service Brake Operation  


## DRIVECHAIN / TANDEMS

Differential  


Differential Lock / Operation  


Drivetrain / Tandem Leaks  


Planetary  


Tandem Housing / Drive Chains  


Wheel Lugs & Rims  


## HYDRAULICS

Blade Cushion  


Circle Drive Box  


 1 Cylinder Mounts / Pins  




cylinder yoke mounts have movement

Hydraulic Lines / Fittings



Hydraulic Pump



Hydraulic Valves



Lift Cylinders



Linkage



Operating Condition -

HYDRAULICS



Pump Drive Shaft



Saddle Pin / Actuator



Side Shift Cylinder



side shift cylinder is wet and chrome on rod has scratches

Tank / Sight Glass / Cap



Tip Cylinder



Leaks - HYDRAULICS

NO

## BLADE

Circle A Frame



Circle Frame



2



Circle Shoes / Inserts



circle shoe inserts are worn

Cutting Edge



Cylinder Balls / Caps



Face / Moldboard



Frog / Base Edge



Moldboard Tip Brackets / Inserts

2



moldboard inserts are worn.

Ring Gear



Saddle



Tip Bracket Pivots / Bearings



## RIPPER

Beam



Brackets / Studs



Cylinders



Frame



Lines / Fittings - RIPPER



Pins / Bushings



bushings on cylinder have movement

Shanks / Ripper (GET)



2 ripper G.E.T are worn

Shanks / Scarifier (GET)

**TIRES**

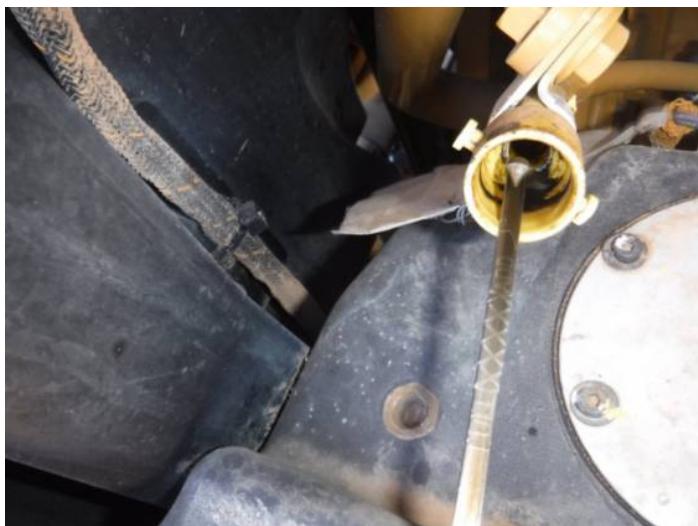
	Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section
Left Center	Maxum	16	48	NO	YES	YES
Left Front	Maxum	29	87	NO	YES	YES
Left Rear	Maxum	16	48	NO	YES	YES
Right Center	Maxum	15	45	NO	YES	YES
Right Front	Maxum	29	87	NO	YES	YES
Right Rear	Maxum	16	48	NO	YES	YES

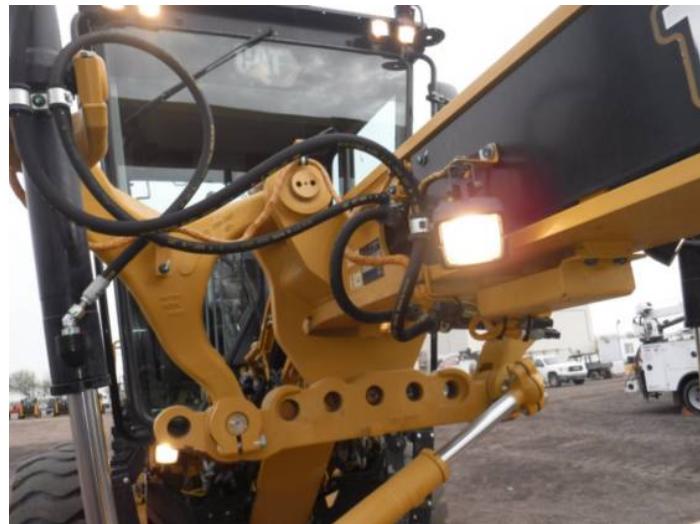
Bias  
**YES**Radial  
**NO**Average Life Remaining - TIRES  
61%Tire Size - TIRES  
17.5-25

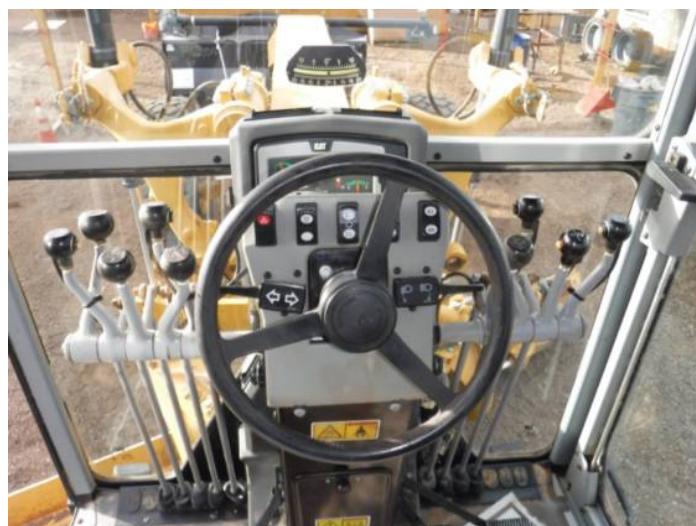
## **MARKETING PHOTOS (29)**











## LINE ITEM PHOTOS (51)

### Logged / Active Codes

NO

Logged Diagnostic Codes [Diagnostic Clock = 5234 hours] - Implement 140 (N9400359)

Code	Description	Occ.	First	Last
246- 9	Proprietary CAN Data Link : Abnormal Update Rate	2	4669	5233

Logged Event Codes [Diagnostic Clock = 5234 hours] - Implement 140 (N9400359)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - Implement 140 (N9400359)

Code	Description
246- 9	Proprietary CAN Data Link : Abnormal Update Rate

Active Event Codes - Implement 140 (N9400359)

Code	Description
No Active Events	

System Communication Status - Active Problems - Implement 140 (N9400359)

ECMs	Detected Problem	Data Link	Diagnostic Information
Device 1: Implement 140 (N9400359)	Device #1 is unable to communicate on the data link.	J1939 #3	Diagnostic Code: 246-9 - Service Hour Meter: 5233:53:45 -

### Decals



hood decals are peeling.



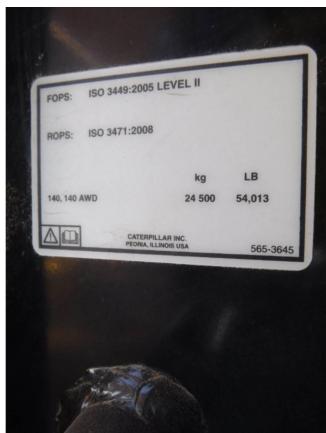
### Seat Belt / Date



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## ROPS Certification Plate

**YES**



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## Safety Decals Legible

**NO**

safety decals are torn



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## Safety Locks / Pins

**YES**



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## Air Conditioner



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## Heater / Defroster



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## Interior Lights



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## Windows



Window tint on left cab door is scratched



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## Current O&MM

**YES**



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## Current Safety Manual

**YES**



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Belts / Pulleys - ENGINE



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Anti-Freeze Level / Color / Condition

●●●  
Red



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Circle Drive Box

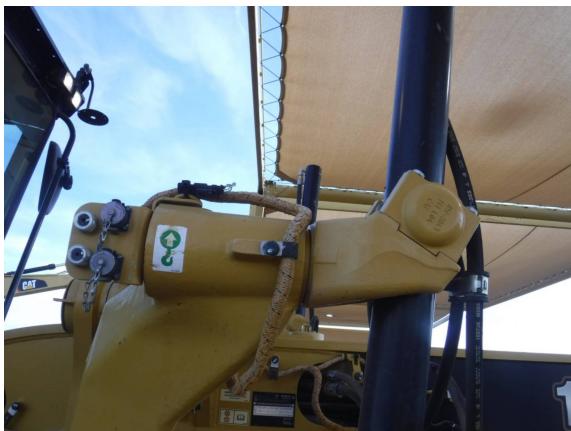


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## Cylinder Mounts / Pins



cylinder yoke mounts have movement



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## Side Shift Cylinder



side shift cylinder is wet and chrome on rod has scratches



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## Circle Frame



circle frame has cracks on left and right side



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## Circle Shoes / Inserts



circle shoe inserts are worn



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## Moldboard Tip Brackets /

### Inserts



moldboard inserts are worn.



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## Pins / Bushings



bushings on cylinder have movement



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## Shanks / Ripper (GET)



2 ripper G.E.T are worn



Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section
Left Center	Maxum	16	48	NO	YES
					
					
Left Front	Maxum	29	87	NO	YES
					



Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section	
Left Rear	Maxum	16	48	NO	YES	YES



Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section
Right Center	Maxum	15	45	NO	YES
					
Right Front	Maxum	29	87	NO	YES
					



Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section	
Right Rear	Maxum	16	48	NO	YES	YES

