

# 2020 CAT 14013 MOTOR GRADERS

## INSPECTION DETAILS

Inspection Type	Marketing
Inspection Form	Standard
Inspection #	10189049
Inspection Status	Completed
Created	03/14/25 12:55:50
Updated	03/17/25 08:03:43
Created By	Calderas, Marco
Inspector	Calderas, Marco
Reviewers	Calderas, Marco
Salesperson	Schultis, Derrick R.
Stock #	E201802
Serial #	N9400354
SMU / Hours	4,039
Location	Eloy, AZ 85131, United States



## FEATURES

### General

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

### Regulatory

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

**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  
●●●  
decals on stinger are scratched and  
peeling.Draw Bar  
●●●Draw bar top wear strips  
●●●  
wear strips are wornEngine 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



right side lower step is bent



Cleaning Required

NO

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## SAFETY ITEMS

Back Up Alarm



Camera(s)



1

Horn



ROPS



Seat Belt / Date



Parking Brake Functioning

YES

ROPS Certification Plate

YES



1

Safety Decals In Place

YES

Safety Decals Legible

YES

Safety Locks / Pins

YES



1

Service Brakes Functioning

YES

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## OPERATOR STATION

Air Conditioner



Armrests



Cab Filter / Heat Vent Louvres



Ambient temp at 61.7F And vent temp  
at 47.5F

Dash Console



Door Latches / Hinges / Seals



Floor Boards / Mats



Gauges



Headliner



Heater / Defroster



Hour Meter - GAUGES,  
OPERATION STATION, CONSOLE



Hydraulic Controls



Interior Lights



Interior Plastic / Fabric



Mirrors



Monitoring Display



Pans/Guards



Radio



Seat Cushions / Suspension /

Type



Switches



Transmission Controls



Windows



Windshield Wipers



Current O&MM



**NO**

O&mm is torn and missing  
pages

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**

Knocking

**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

 1 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  1

Hose on transmission is wet needs  
washed checked and advised

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



Circle Side Shift Cylinder



Cylinder Mounts / Pins



cylinder yoke mounts have movement



Hydraulic Lines / Fittings



Hydraulic Pump



Hydraulic Valves



Lift Cylinders



Linkage



Operating Condition -

HYDRAULICS



Saddle Pin / Actuator



Side Shift Cylinder



Tank / Sight Glass / Cap



Tip Cylinder



Leaks - HYDRAULICS

NO

## BLADE

Circle A Frame



circle frame has cracks on left and right side



Circle Frame



Circle Shoes / Inserts



circle inserts are worn

Cutting Edge



1/2 worn

Cylinder Balls / Caps



Face / Moldboard



Frog / Base Edge



Moldboard Tip Brackets / Inserts



Ring Gear

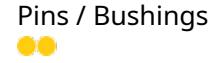
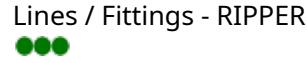
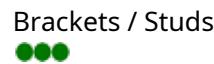




## Tip Bracket Pivots / Bearings



## RIPPER



bushings on cylinder have movement



ripper teeth are worn

scarifiers are worn

## TIRES

	Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section
Left Center	Yokohama y-582h	22	57	NO	YES	YES
Left Front	Yokohama y-582h	20	52	NO	YES	YES
Left Rear	Yokohama y-582h	20	52	NO	YES	YES
Right Center	Yokohama y-582h	23	60	NO	YES	YES
Right Front	Yokohama y-582h	20	52	NO	YES	YES
Right Rear	Yokohama y-582h	23	62	NO	YES	YES
Bias YES		Radial NO				

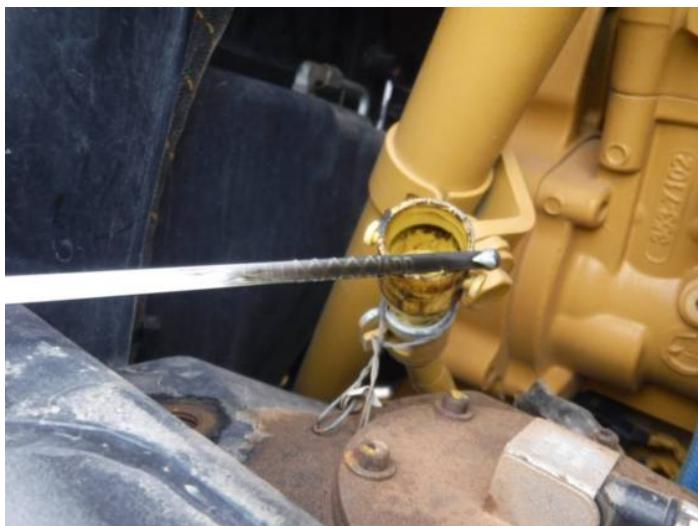
Average Life Remaining - TIRES  
56%

Tire Size - TIRES  
17.5-25

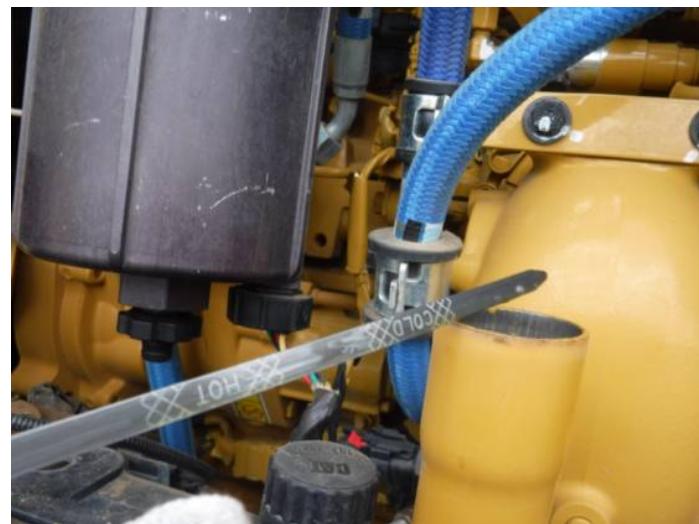
## MARKETING PHOTOS (28)











## LINE ITEM PHOTOS (44)

### Decals



decals on stinger are scratched and peeling.



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### Draw bar top wear strips



wear strips are worn



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### Steps / Ladder



right side lower step is bent

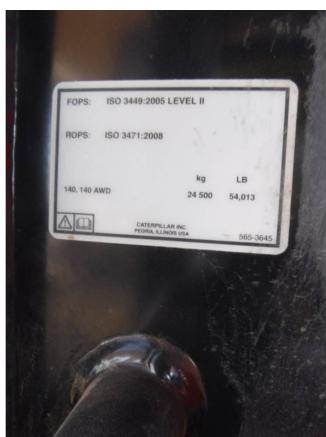


Camera(s)



ROPS Certification Plate

**YES**



Safety Locks / Pins

**YES**



## Air Conditioner



Ambient temp at 61.7F And  
vent temp at 47.5F



## Heater / Defroster



## Current O&MM

**NO**

o&mm is torn and missing  
pages



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## Current Safety Manual

**YES**



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## Anti-Freeze Level / Color /

Condition



red

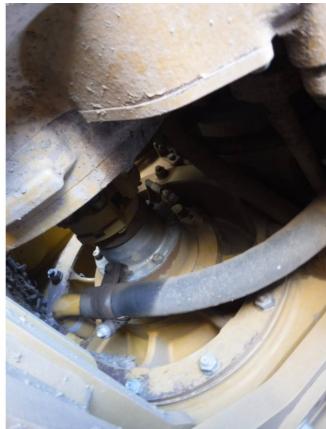


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## Lines / Fittings - TRANSMISSION



Hose on transmission is wet  
needs washed checked and  
advised



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## Steering Cylinder



both steering cylinders have movement on barrel end



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## Cylinder Mounts / Pins



cylinder yoke mounts have movement



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## Circle A Frame



circle frame has cracks on left and right side



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## Circle Shoes / Inserts

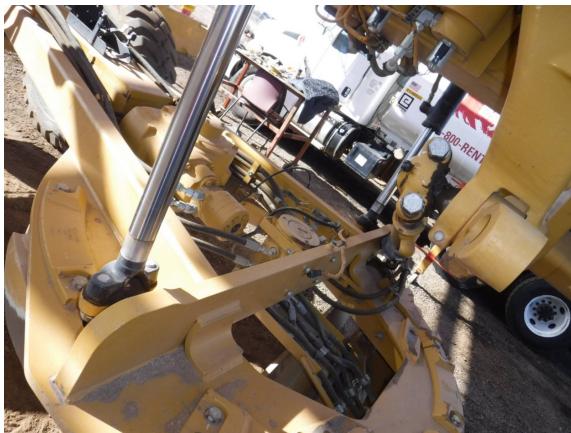


circle inserts are worn



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## Cylinder Balls / Caps



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## Pins / Bushings



bushings on cylinder have movement



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### Shanks / Ripper (GET)



ripper teeth are worn



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### Shanks / Scarifier (GET)



scarifiers are worn



	Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section
Left Center	Yokohama y- 582h	22	57	NO	YES	YES





Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section
Left Front Yokohama y- 582h	20	52	NO	YES	YES



Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section
Left Rear	Yokohama y- 582h	20	52	NO	YES
					
					
Right Center	Yokohama y- 582h	23	60	NO	YES
					



Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section	
Right Front	Yokohama y- 582h	20	52	NO	YES	YES



Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section
Right Rear Yokohama y- 582h	23	62	NO	YES	YES

