

# 2021 CAT 1415 MOTOR GRADERS

## INSPECTION DETAILS

Inspection Type	Marketing
Inspection Form	Standard
Inspection #	10129196
Inspection Status	Completed
Created	06/19/24 17:14:21
Updated	06/24/24 14:40:17
Created By	Calderas, Marco
Inspector	Calderas, Marco
Reviewers	Calderas, Marco
Salesperson	Schultis, Derrick R.
Stock #	E196477
Serial #	EN400152
SMU / Hours	2,260
Location	Eloy, AZ 85131, United States



## FEATURES

### General

- **Air Conditioner**
- **Circle Clutch**
- **Drive - Tandem**
- **Lighting**
- **Product Link**
- **Ripper - Multi-Shank**
- **Supplemental Steering**
- **Air Suspension Seat**
- **Defroster Fan**
- **Ether Aid**
- **Mirrors**
- **Pushblock**
- **ROPS - Enclosed**
- **Throttle Lock**
- **Auto Shift**
- **Differential Lock**
- **Guard, Transmission**
- **Moldboard Size - 16'**
- **Radio - AM FM Radio**
- **Steering Type - Joystick**
- **Tire Size**

### Emissions

- **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  
●●●Counterweight  
●●

paint is chipping and scratched

Crankcase Guard / Transmission  
Guard  
●●●Decals  
●●●  
Hood decals are cracked and fadedDraw 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**

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## SAFETY ITEMS

Back Up Alarm  


Camera(s)  


Horn  


ROPS  


Seat Belt / Date  


Parking Brake Functioning  
**YES**

ROPS Certification Plate  
**YES**

 1 Safety Decals In Place  
**YES**

Safety Decals Legible  
**YES**

 2 Safety Locks / Pins  
**YES**

Service Brakes Functioning  
**YES**

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## OPERATOR STATION

Air Conditioner  


 1 Armrests  


Cab Filter / Heat Vent Louvres  


Circulating fan  
  
does not work

 1 Dash Console  


Door Latches / Hinges / Seals  


Floor Boards / Mats  


Gauges  


Headliner  


Heater / Defroster  


 1 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  


Visor / Sunshade



Windows



Windshield Wipers



Rear washer fluid not spraying

Current O&MM

**YES**



Current Parts Manual

**NO**



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**

Emissions Decal Legible



**YES**

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



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



Starter



Wiring



Work Lights



Active Codes

**NO**

Ether Aid

**YES**

Signal Lights

**YES**

## TRANSMISSION

Case - TRANSMISSION



Controls - TRANSMISSION



Cooler



Lines / Fittings - TRANSMISSION



Operating Condition -  
TRANSMISSION



Seals



Temp / Pressure Gauges



Transmission - Forward Shifts



Transmission - Reverse Shifts



Auto Shift

**YES**

Leaks - TRANSMISSION

**NO**

Transmission - Noisy

**NO**

## STEERING

Articulate P & B 	King Pins 	Lines / Fittings 
Steering Cylinder 	Steering Frame 	Steering Linkage 
Steering Operating Condition 	Steering Pump 	Steering Valve 
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

Circle Drive Box 	Circle Side Shift Cylinder 	Cylinder Mounts / Pins 
Hydraulic Lines / Fittings 	Hydraulic Pump 	Hydraulic Valves 

Lift Cylinders



Operating Condition -  
HYDRAULICS



Saddle Pin / Actuator



Side Shift Cylinder



Tank / Sight Glass / Cap



Tip Cylinder



Leaks - HYDRAULICS



NO

## BLADE

Circle Frame



Circle Shoes / Inserts



Cutting Edge



Cylinder Balls / Caps



Face / Moldboard



Frog / Base Edge



Have movement both lift and center  
shift cylinders

Moldboard Tip Brackets / Inserts



Ring Gear



Saddle



Tip Bracket Pivots / Bearings



Have movement

## RIPPER

Beam



Brackets / Studs



Cylinders



Frame



Lines / Fittings - RIPPER



Pins / Bushings



Shanks / Ripper (GET)



4 of the ripper teeth are worn

## TIRES

Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section
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Left Center	Michelin xha2	25	59	NO	YES	YES
Left Front	Michelin xha2	37	88	NO	YES	YES
Left Rear	Michelin xha2	25	59	NO	YES	YES
Right Center	Michelin xha2	25	59	NO	YES	YES
Right Front	Michelin xha2	37	88	NO	YES	YES
Right Rear	Michelin xha2	25	59	NO	YES	YES

Bias  
NO

Radial  
YES

Average Life Remaining - TIRES  
69%

Tire Size - TIRES  
20.5r25

## MARKETING PHOTOS (31)













## LINE ITEM PHOTOS (40)

### Counterweight



paint is chipping and scratched



### Decals



Hood decals are cracked and faded



### ROPS Certification Plate

**YES**



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Safety Decals Legible

**YES**



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Air Conditioner



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Circulating fan



does not work



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## Heater / Defroster



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## Windshield Wipers



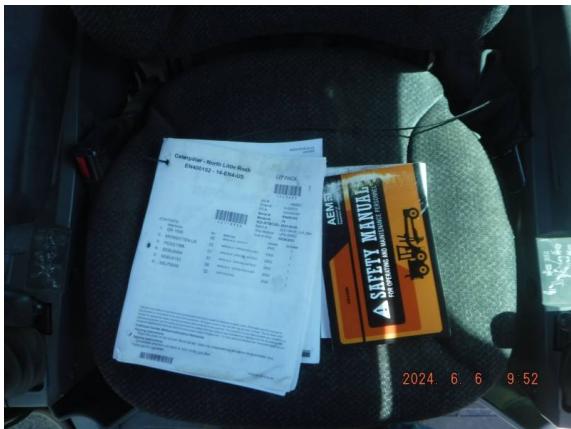
Rear washer fluid not spraying



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## Current O&MM

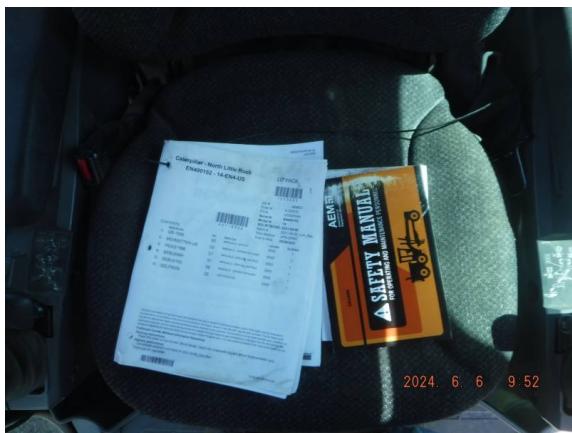
**YES**



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## Current Safety Manual

**YES**



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## Belts / Pulleys - ENGINE

**YES**



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## Emissions Decal Legible

**YES**



Anti-Freeze Level / Color /

Condition



red



Leaks - HYDRAULICS

**NO**



Cylinder Balls / Caps



Have movement both lift and center shift cylinders



## Shanks / Ripper (GET)



4 of the ripper teeth are worn



Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section
Left Center	Michelin xha2	25	59	NO	YES





Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section
Left Front	Michelin xha2	37	88	NO	YES



Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section
Left Rear	Michelin xha2	25	59	NO	YES
					
					
Right Center	Michelin xha2	25	59	NO	YES
					



Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section
Right Front	Michelin xha2	37	88	NO	YES



Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section
Right Rear Michelin xha2	25	59	<b>NO</b>	<b>YES</b>	<b>YES</b>

