

2018 CAT 12M3AWD MOTOR GRADERS

INSPECTION DETAILS

Inspection Type	Trade
Inspection Form	Standard
Inspection #	10254332
Inspection Status	Completed
Created	12/01/25 07:18:09
Updated	12/03/25 11:54:03
Created By	Willis, Joseph
Inspector	Willis, Joseph
Reviewers	Willis, Joseph
Salesperson	Schultis, Derrick R.
Stock #	E209344
Serial #	N9B00653
SMU / Hours	6,492
Location	Eloy, AZ, United States



FEATURES

General

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

Regulatory

- **Ultra Low Sulfur Diesel Fuel**

CONDITION

●●● Good

●● Fair

● Poor

Approved Repair

GENERAL CONDITIONBody
●●●Frame - GENERAL CONDITION
●●●General
●●●ET Product Status Report
Download
YESLogged / Active Codes
YES
JOY STICK ISSUE. STEERING AND
BLADE CUSHION CONTROL
FAULTMachine Starts and is Operable
YESS.O.S. (All Compartments)
NO
ENGINE, TRANSMISSION,
HYDRAULICTires are Aired Up and Drivable
YESVisible Oil Leaks
NO**GENERAL APPEARANCE**Battery Box
●●●Cab or Canopy
●●●Crankcase Guard / Transmission Guard
●●●
Full of dirt. Part of washDecals
●●●Draw Bar
●●●
Needs adjustedEngine Enclosures
●●●Fenders
●●●Fiberglass
●●●Front Frame Welds
●●●Fuel Tank
●●●Grab Irons
●●●Hood
●●●Paint
●●●Plastic (Exterior)
●●●Pre-Cleaner Bowl
●●●Radiator Grill
●●●Rear Frame Welds
●●●Sheet Metal
●●●

Dented can be repaired.

Steps / Ladder



Cleaning Required

YES

SAFETY ITEMS

Back Up Alarm



Beacon / Strobe



1

Camera(s)

1

Horn



ROPS



Seat Belt / Date



1

OUTDATED APRIL 2018

Secondary Exit



Parking Brake Functioning

YES

ROPS Certification Plate

YES

Safety Decals In Place

YES

Safety Decals Legible

YES

Safety Locks / Pins

YES

Service Brakes Functioning

YES

OPERATOR STATION

Air Conditioner



1

Armsrests



1

Cab Filter / Heat Vent Louvres



68 AMBIENT TEMP AND 47 VENT TEMP

Right side is cracked

Dash Console



Door Latches / Hinges / Seals



Floor Boards / Mats



Gauges



Headliner



Heater / Defroster



1

64 AMBIENT TEMP AND 134 VENT TEMP

Hour Meter - GAUGES,
OPERATION STATION, CONSOLE



Hydraulic Controls



Interior Lights



3

Small operator lights are inop

Interior Plastic / Fabric



Mirrors



Monitoring Display



Pans/Guards



Radio



ANTENNA DAMAGE, HAS WIRE
WRAPPED AROUND BASE



Seat Cushions / Suspension /
Type



Switches



Transmission Controls



Visor / Sunshade



Windows



Windshield Wipers



Current O&MM

YES



Current Parts Manual

YES

CD

Current Safety Manual

YES



ENGINE

Belts / Pulleys - ENGINE



Engine Oil Level / Condition



Engine Supports / Mounts



Exhaust / Muffler / Stack



Fuel Injection System



Governor



Intake / Air Filters



Operating Condition - ENGINE



Turbocharger / Blower



Blow By

NO

Fuel Leaks

NO

Knocking

NO

Oil Leaks

NO

Service Needed

YES

Water in Oil

NO

Oil Pressure (H/L/N)

Normal

Smoke Color (B/D/L/W)

Normal

TECHNOLOGY

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

Belts / Pulleys - COOLING
SYSTEM
●●●

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
●●

7

LEFT FRONT HEAD LIGHT IS INOP

Active Codes

YES

Has steering malfunction. Does not fully turn right.



Jump Start Terminal

YES

Signal Lights

YES

TRANSMISSION

Case - TRANSMISSION



Controls - TRANSMISSION



Cooler



Lines / Fittings - TRANSMISSION



Operating Condition - TRANSMISSION



Pump - TRANSMISSION



Seals



Transmission - Forward Shifts



Transmission - Reverse Shifts



Transmission Oil Filter Condition / Service Hours



Valves



Leaks - TRANSMISSION
NO

Powershift
YES

Transmission - Noisy
NO

Notes - TRANSMISSION

Guard is packed with dirt. Part of wash.

ALL WHEEL DRIVE

All Wheel Drive Lines / Fittings



All Wheel Drive Operating Condition



All Wheel Drive Valve



Controls / Settings



Drive Motors



Pump



STEERING

Articulate P & B



King Pins



Lines / Fittings



Steering Cylinder



Steering Frame



Steering Linkage



Steering Operating Condition



Will not turn fully to the right. Quoted above

Steering Pump



Supplemental Steering



Tie Rods / Rod Ends



Wheel / Joystick



Joystick. Left side is abnormal. Part of steering code. Quoted above

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



Has oil residue present on lower diff.
Not leaking at time of inspection

Oscillating Hubs / Oil Level



Planetary



Tandem Housing / Drive Chains



Wheel Lugs & Rims



HYDRAULICS

Blade Cushion



Left side is not working part of joystick issue. QUOTED ABOVE

Circle Drive Box



Circle Side Shift Cylinder



Cylinder Mounts / Pins



Has movement at yoke pins and fiber bushings

■ 2

Hydraulic Lines / Fittings



Has slight peeling on side shift cylinder lines. Not down to metal. Outer cover only.

■ 3

Hydraulic Oil Filter Condition / Service Hours



Hydraulic Pump



Hydraulic Valves



Lift Cylinders



■ 2

Linkage



Operating Condition - HYDRAULICS



Pump Drive Shaft



Saddle Pin / Actuator



Side Shift Cylinder



■ 1

Tank / Sight Glass / Cap



Tip Cylinder



■ 1

Leaks - HYDRAULICS

NO

BLADE

Circle A Frame



Circle Frame



Has movement and cracked wear strips on left side. Needs adjusted and new wear strips.

■ 4

Circle Shoes / Inserts



Needs adjusted

■ 1

Cutting Edge



Worn uneven and missing multiple bolts

■ 2

Cylinder Balls / Caps



Needs adjusted ALL 4

■ 1

Face / Moldboard



Frog / Base Edge



Moldboard Tip Brackets / Inserts



Needs adjusted

Ring Gear



Saddle



Tip Bracket Pivots / Bearings



Has movement at pins and bearings

■ 1

RIPPER

Beam


Cylinders


 2 Frame


Has slight movement at ripper cylinder mount trunnions

Lines / Fittings - RIPPER


Pins / Bushings


Shanks / Ripper (GET)




Center has home made hitch in shank pocket

Shanks / Scarifier (GET)




3 SHANKS ONLY

TIRES

	Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section
Left Center	Maxam	25	65	NO	YES	YES
Left Front	Yokohama	14	34	NO	YES	YES
Left Rear	Maxam	25	65	NO	YES	YES
Right Center	Maxam	25	65	NO	YES	YES
Right Front	Firestone	0	0	NO	YES	YES
Right Rear	Maxam	25	65	NO	YES	YES

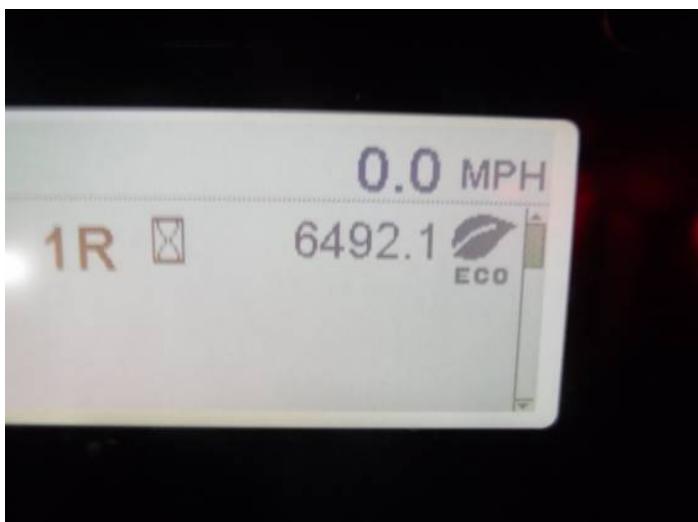
Bias
YES

COMMENTS, MISC. REPAIRS, GENERAL REMARKS

comment 1
INSPECT

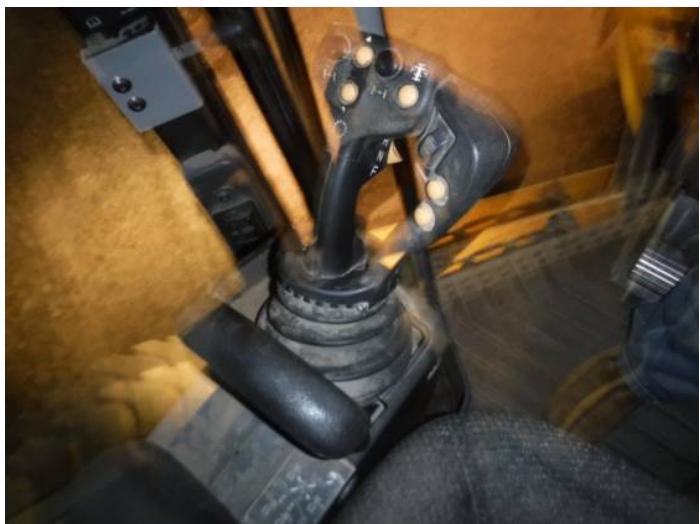
comment 2
NEXT SERVICE DUE AT 6595

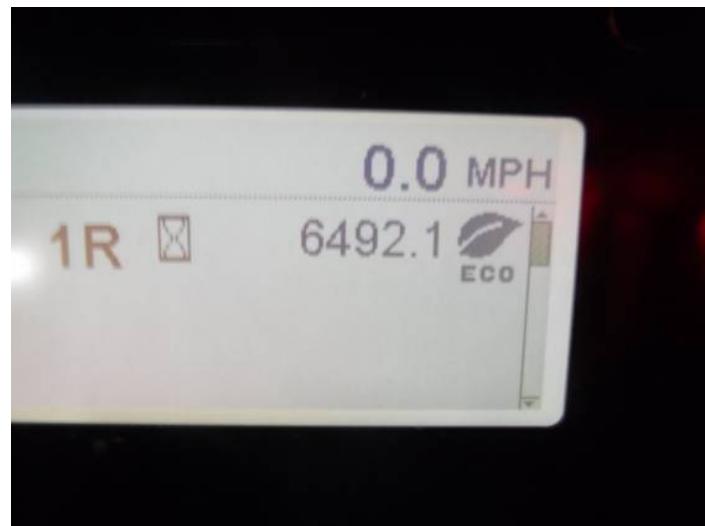
MARKETING PHOTOS (31)











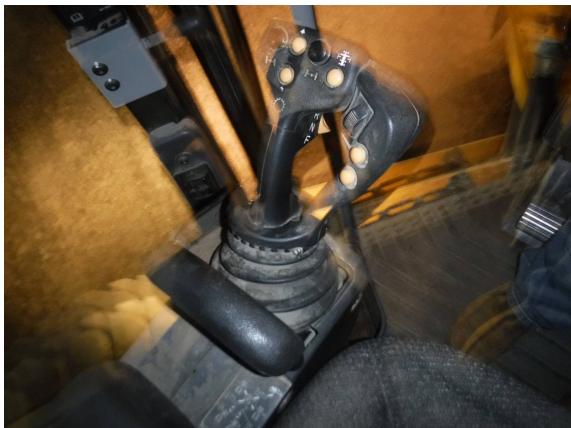


LINE ITEM PHOTOS (77)

Logged / Active Codes

YES

JOY STICK ISSUE. STEERING
AND BLADE CUSHION
CONTROL FAULT



Crankcase Guard /

Transmission Guard



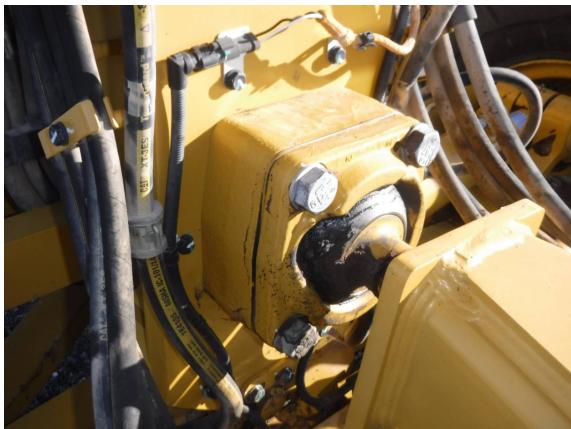
Full of dirt. Part of wash



Draw Bar



Needs adjusted



Radiator Grill



Dented can be repaired.



Beacon / Strobe



Camera(s)



Seat Belt / Date



OUTDATED APRIL 2018



Air Conditioner



68 AMBIENT TEMP AND 47
VENT TEMP



Armrests



Right side is cracked



Heater / Defroster



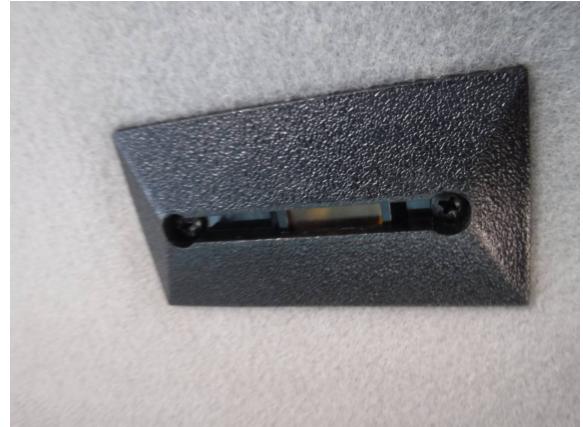
64 AMBIENT TEMP AND 134
VENT TEMP



Interior Lights



Small operator lights are inop



Radio

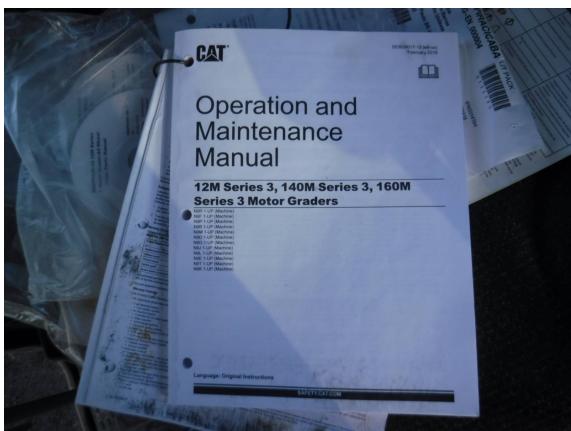


ANTENNA DAMAGE, HAS WIRE
WRAPPED AROUND BASE



Current O&MM

YES



Current Safety Manual

YES



Work Lights



LEFT FRONT HEAD LIGHT IS
INOP





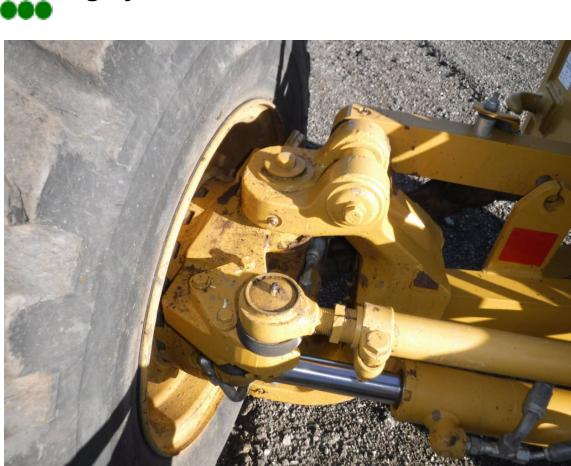
Active Codes

YES

Has steering malfunction. Does not fully turn right.



Steering Cylinder



Drivetrain / Tandem Leaks



Has oil residue present on lower diff. Not leaking at time of inspection



Circle Side Shift Cylinder



Cylinder Mounts / Pins



Has movement at yoke pins and fiber bushings



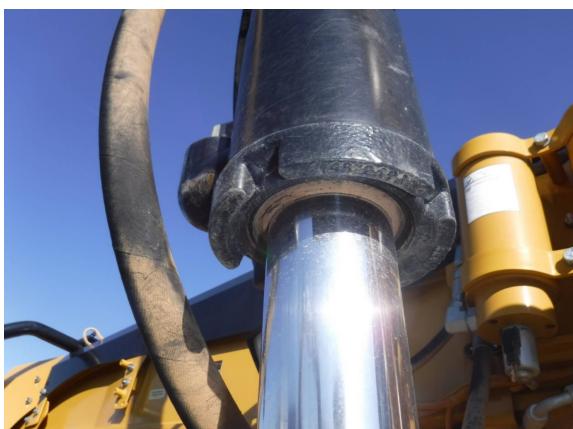
Hydraulic Lines / Fittings



Has slight peeling on side shift cylinder lines. Not down to metal. Outer cover only.



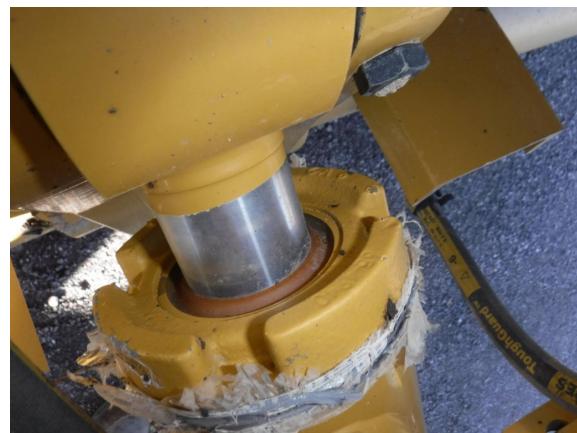
Lift Cylinders



Side Shift Cylinder



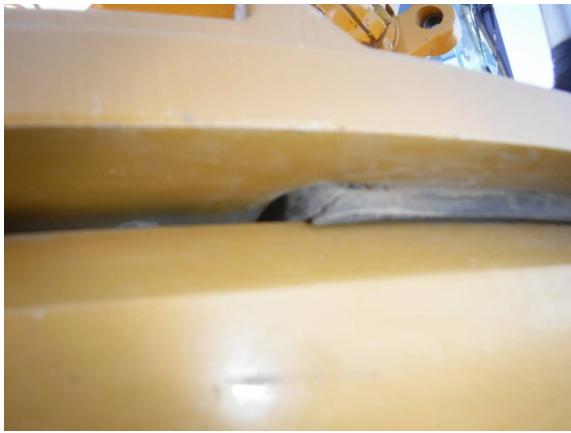
Tip Cylinder



Circle Frame



Has movement and cracked
wear strips on left side. Needs
adjusted and new wear strips.





Circle Shoes / Inserts



Needs adjusted



Cutting Edge



Worn uneven and missing
multiple bolts



Cylinder Balls / Caps



Needs adjusted ALL 4



Moldboard Tip Brackets /

Inserts



Needs adjusted



Tip Bracket Pivots / Bearings



Has movement at pins and
bearings



Cylinders



Has slight movement at ripper cylinder mount trunnions



Shanks / Ripper (GET)



Center has home made hitch in shank pocket



Shanks / Scarifier (GET)



3 SHANKS ONLY



Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section
Left Center	Maxam	25	65	NO	YES





Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section
Left Front	Yokohama	14	34	NO	YES



Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section
Left Rear	Maxam	25	65	NO	YES
					
					
Right Center	Maxam	25	65	NO	YES
					



Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section
Right Front Firestone	0	0	NO	YES	YES



Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section
Right Rear	Maxam	25	65	NO	YES

