

2022 CATERPILLAR 938M WHEEL LOADER

INSPECTION DETAILS

Inspection Type	Trade
Inspection Form	Standard
Inspection #	10049325
Inspection Status	Inspected
Created	06/30/23 09:00:48
Updated	06/30/23 11:22:26
Created By	Oelfke, Keith A.
Inspector	Oelfke, Keith A.
Reviewers	Oelfke, Keith A.
Salesperson	Lindenfelser, Matthew J.
Transmission Serial #	2M510331
Engine Serial #	J7A26935
Serial #	P5K03696
SMU / Hours	1,410
Location	RENVILLE, MN, United States



CLIENT DETAILS

Name	
Company	3 E SOLUTIONS GROUP
Address	12275 239TH AVE NW
City	ELK RIVER
State	Minnesota
Country	United States
Postal Code	56284-2321
Email	
Phone	612-991-4261

FEATURES

GENERAL

- 3RD VALVE
- AUTO SHIFT
- BLUETOOTH
- COUPLER, HYDRAULIC CAT FUSION
- ENGINE ENCLOSURES
- HIGH LIFT
- RIDE CONTROL AUTOMATIC

- AIR CONDITIONER
- AUXILIARY HYDRAULICS
- BUCKET

5.5 YD LM BUCKET 345-2768

DIFF LOCK/UNLOC

FRONT

- EPA LABEL
 TIER 4 FINAL.
- LIGHTING
- ULTRA LOW SULFUR DIESEL FUEL

- AM FM CD RADIO
- BEACON
- COUNTERWEIGHT 3,065 LB
- DIFFERENTIAL, LIMITED SLIP

 REAR
- EROPS
- PRODUCT LINK ELITE
- WEIGHT MONITORING SYSTEM
 CAT INTEGRATED PAYLOAD
 MEASUREMENT SYSTEM.

NOTES

CAB ROPS, HEATER, A/C, LIGHTS, STROBE, RADIO CD USB & BT, HEATED & POWER MIRRORS, REAR WINDOW DEFROST, REARVIEW CAMERA, PRODUCT LINK ELITE, AIR SUSPENSION SEAT, EITHER AID, ENGINE COOLANT HEATER, COUNTERWEIGHT 3,065 LB, HYDRAULIC AUTO REVERSING FAN, THROTTLE LOCK, CREEPER CONTROL, RIM PULL FEATURE, IMPLEMENT SHIFTER ONLY, INTEGRATED CAT PAYLOAD MEASUREMENT SYSTEM, LIMITED SLIP DIFFERENTIAL REAR & DIFF LOCK FRONT, HYDROSTATIC DRIVE, AUTO SHIFT, AUTO RIDE CONTROL, 3 VALVE HYDRAULICS WITH SINGLE LEVER

CONTROL, CONTINUOUS FLOW AUX CIRCUIT, HIGH LIFT LOADER FRAME, FUSION WEDGE STYLE COUPLER, 5.5 YD CAT LIGHT MATERIAL HANDLING BUCKET 345-2768. NOTE: HAS CAT G/L STANDARD WARRANTY TO 9/18/23. NOTE: HAS EMISSIONS WARRANT COVERAGE TO 9/18/27 OR 3,000 HRS. NOTE: HAS CAT HYDRAULIC ESC WARRANTY TO 9/18/27 OR 6,000 HRS. NOTE: HAS CAT POWERTRAIN ESC WARRANTY TO 9/18/27 OR 6,000 HRS. NOTE: HAS CAT TECHNOLOGY ESC WARRANTY TO 9/18/27 OR 6,000 HRS.

••• Good

Fair

Poor

Approved Repair

GENERAL CONDITION

Body

000

Frame •••

General •••

ET Download Available

YES

Machine Starts and is Operable

YES

S.O.S. (All Compartments)

NO

Tires are Aired Up and Drivable

YES

GENERAL APPEARANCE

Cab or Canopy

Counterweight

000

PARTS & LABOR TOTAL: 1915.00

Crankcase Guard / Battery Box 000

Decals

•••

000

Differential Supports

•••

Eng. Enclose Hood / Stack

•••

Fenders

000

Front Frame

000

Fuel Tank

000

Grab Irons

000

Paint

000

WILL LOOK NICE AFTER A GOOD CLEANING.

Pre-Cleaner Bowl

000

Radiator Grill & Shroud

000

Rear Frame

000

Sheet Metal

000

Steps / Ladder

ONE BELT WILL NEED REPLACEMENT ON THE L.H. PLATFORM STEP. 339-6746

Parts: Labor: 65.00 50.00 Cleaning Required
YES
WILL NEED EXTENSIVE
CLEANING.

S.O.S. Taken

Labor: 1800.00

Notes - GENERAL APPEARANCE THE MACHINE IS STRAIGHT SO WILL NEED A GOOD CLEANING INSIDE & OUT.

SAFETY ITEMS

Brake Hold

•••

ROPS

•••

THE ROPS ARE CLEAN.

Back Up Alarm Functioning

YES

Safety Decals Legible **YES**

Horn

Seat Belt - SAFETY ITEMS

•••

Brakes Functioning

YES

Safety Decals In Place

PARTS & LABOR TOTAL: 65.00

Parking Brake - SAFETY ITEMS

YES

GAUGES, OPERATOR STATION, CONSOLE

Air Conditioner

COO!

COOLING

Dash Console

•••

Door Latches

000

Door Latches & Hinges

•••

Doors

Doors

Floor Boards

000

Floor Mats

•••

Gauges

••••

Glass/Mirrors

•••

Heater

•••

Interior Lights

000

Meter

ACCURATE

Product Link 000

ELITE

Seat Cushion / Arm Rest

Switches

000

Windshield Wipers

Back Up Alarm

YES

Current O&MM

YES

ROPS Certification Plate

YES

CERTIFICATION IS IN PLACE.

Sound Proofing

YES

Fuel Level - GAUGES, OPERATOR STATION, CONSOLE

THE FUEL TANK CAP IS MISSING. 370-

9009

65.00 Parts:

ENGINE PARTS & LABOR TOTAL: 137.00

Air Cleaners

LATCH BROKEN ON THE AIR **CLEANER HOUSING COVER 363-**9959. AIR CLEANER FILTER IS **FULL READY FOR** REPLACEMENT.

Parts: 137.00 Belts / Pulleys - ENGINE

•••

EMISSIONS SYSTEM

000

THE EMISSIONS SYSTEM IS FUNCTIONING NORMAL.

Engine Supports

Exhaust / Muffler

Fuel System

Governor

000

Oil Filter Condition (CUT) -

ENGINE

OIL WAS CHANGED & SAMPLED 132 HRS AGO WITH SAMPLE RETURNING NORMAL.

Operating Condition - ENGINE

000

Turbocharger

Blow By NO

Compression in Radiator

NO

Engine Oil Level Full

NO

EPA Decal YES

TIER 4 FINAL.

Fluid Levels OK?

YES

Fuel Leaks

NO

Knocking

NO

Oil filter Cut and Inspected

NO

Oil Leaks

NO

THERE IS WETNESS ON THE FRONT L.H. ENGINE COVER THAT IS AROUND THE WATER PUMP THAT HAS A LEAK SO WILL NEED TO BE CLEANED

OFF.

Water in Oil

NO

Anti-Freeze Color

NORMAL COLOR BUT A LITTLE LOW DUE TO LEAK BY WATER PUMP.

Notes - ENGINE

THE ENGINE IS RUNNING SMOOTH.

Oil Pressure (H/L/N)

NORMAL

Smoke (B/D/L/W)

NORMAL

PARTS & LABOR TOTAL: 50.00 COOLING SYSTEM

Coolers

•••

Fan

000

Fan Drive

000 HYD

Hoses

000

Hoses & Tubes - COOLING

SYSTEM

THE LOWER WATER PUMP HOSE IS WET, LEAKING TO LEVER 2 SO

TIGHTEN THE CLAMPS. Labor: 50.00

Radiator 000

Water Pump

PUMPO WAS REPLACED 1-23
628 HRS AGO.

Oil in Anti-Freeze **NO**

Notes - COOLING SYSTEM THE COOLING SYSTEM IS FUNCTIONING NORMAL IN 80 DEGREE WEATHER.

ELECTRICAL, STARTING AND CHARGING SYSTEM

Alternator Batteries / Cables Beacon

Lighting Starter Wiring

Block Heater Ether Aid
YES YES

TRANSMISSION

000

Case Controls - TRANSMISSION Cooler

Drive Shaft
Lines / Fittings - TRANSMISSION
Oil Filter Condition (CUT) TRANSMISSION

OIL WAS CHANGED & SAMPLED 339 HRS AGO WITH SAMPLE RETURNING NORMAL.

Operating Condition - Pump - TRANSMISSION Seals TRANSMISSION

Temp / Pressure Gauges Transmission - Forward Shifts Transmission - Reverse Shifts Universal Joints -**TRANSMISSION** 000 Leaks - TRANSMISSION Mag Screens Checked Transmission - Noisy NO NO NO Notes - TRANSMISSION THE HYSTAT IS PERFORMING NORMAL IN ALL SPEED SETTINGS. **STEERING** Articulate P & B Hand Metering Unit Lines / Fittings - STEERING 000 000 000 Steering Cylinder Steering Linkage Steering Valves / Pumps ••• ••• 000 Steering Wheel Tilt / Extend Valves 000 000 Notes - STEERING THE MACHINE IS STEERING NORMAL. **BRAKE** Accumulator Control Valve Lines 000 000 000 Pedal Parking Brake - BRAKE Pump - BRAKE 000 Type (Wet, Dry) WET INTERNAL.

Holds In Park YES

Leaks - BRAKE NO

Notes - BRAKE ALL BRAKES ARE FUNCTIONING NORMAL.

HYDRAULICS

Accumulator Charge - Ride Control

•••

ACCUMULATORS WERE REPLACED 420 HRS AGO. **Bucket & Hoist Kickout**

PARTS & LABOR TOTAL: 1266.00

Control Linkage

THE IMPLEMENT CONTROL LEVER IS STICKY. THE RUBBER IS BREAKING DOWN LIKE SOMETHING WAS PUT ON IT. RECOMMEND REPLACEMENT SINCE IT WILL BE AN ISSUE IF WE TRY TO SELL IT. 356-5209

Parts: 916.00 Labor: 350.00

Filter Condition (CUT)

OIL WAS SAMPLED 339 HRS AGO WITH SAMPLE RETURNING NORMAL.

Hose Lines

•••

Hoses & Tubes - HYDRAULICS

•••

Lift Cylinders

000

Overall Operating Condition

000

000

Tilt Cylinder

Pumps & Valves

000

Tank

000

Notes - HYDRAULICS THERE WAS A CUSTOMER COMPLAINT ABOUT THE LOADER DROPPING UNDER CERTAIN CIRCUMSTANCES BUT NOT ISSUES WERE FOUND WHILE OPERATING DURING THIS INSPECTION.

BUCKET PARTS & LABOR TOTAL: 250.00

Bucket Floor Bucket Linkage - BUCKET 1 **Bucket Bottom** THERE IS WEAR ON THE **TIGHT** BOTTOM REAR OF BUCKET. WILL LAST ANOTHER SEASON BUT WOULD NEED BUILDUP AFTER THAT. ADD \$2,500 IF DONE. **Bucket Sides Cutting Edges** Loader Frame 000 000 000 THE BASE EDGE IS IN GOOD CONDITION. Loader Pins & Bushings **Quick Coupler** Segments ••• THE CUTTING EDGE WILL NEED TO BE TURNED Labor: 250.00 High Lift YES Bucket S/N - BUCKET 1 **Bucket Size** Notes - BUCKET 345-2768 5.5 YDS THE BUCKET HAS SOME WEAR **DEVELOPMENT ON THE BOTTOM** REAR THAT CAN RUN FOR ANOTHER SEASON & THE CUTTING EDGES WILL NEED TO BE TURNED. THE LINKAGES ARE TIGHT. FINAL DRIVES Front Axle Rear Axle Differentials 000 ••• 000 Rear Final Drives Trunion Wheel Lugs & Rims - FINAL 000 000 **DRIVES** 000

Leaks - FINAL DRIVES

NO

Notes - FINAL DRIVES BOTH AXLE OILS WERE CHANGED & SAMPLED 339 HRS AGO WITH SAMPLES RETURNING WITH NORMAL BREAK IN MATERIAL IN THEM.

TIRES

	Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section
Left Front	MICHELIN XHA2		80	NO	NO	NO
Left Rear	MICHELIN XHA2		85	NO	NO	NO
Right Front	MICHELIN XHA2		80	NO	NO	NO
Right Rear	MICHELIN XHA2		85	NO	NO	NO

Notes - TIRES ALL TIRES ARE IN GOOD FUNCTIONAL 20.5R25 CONDITION.

Tire Size - TIRES

COMMENTS, MISC. REPAIRS, GENERAL REMARKS

comment 1

THE MACHINE IS IN GOOD FUNCTIONAL CONDITION WITH SMOOTH ENGINE & NORMAL PERFORMING HYSTAT. THE LINKAGES LEVEL 2PM IN 118 HRS. ARE TIGHT SO I RECOMMEND THE ABOVE LISTED REPAIRS

comment 4

LEVEL 3PM COMPLETED 336 HRS AGO & A LEVEL 1PM COMPLETED 132 HRS AGO SO THE NEXT SERVICE DUE IS A

MARKETING PHOTOS (8)

















CONDITION PHOTOS (17)

Steps / Ladder

ONE BELT WILL NEED REPLACEMENT ON THE L.H. PLATFORM STEP. 339-6746

Parts: 65.00 Labor: 50.00



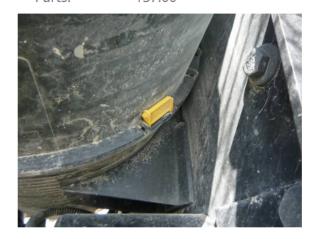
••• Meter ACCURATE



••• Seat Cushion / Arm Rest



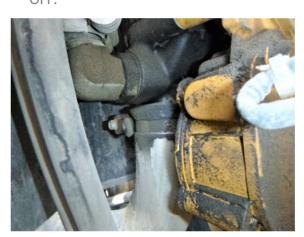
Air Cleaners LATCH BROKEN ON THE AIR CLEANER HOUSING COVER 3639959 . AIR CLEANER FILTER IS FULL READY FOR REPLACEMENT. Parts: 137.00



YES EPA Decal TIER 4 FINAL.



NO OIL Leaks THERE IS WETNESS ON THE FRONT L.H. ENGINE COVER THAT IS AROUND THE WATER PUMP THAT HAS A LEAK SO WILL NEED TO BE CLEANED OFF.



Hoses & Tubes - COOLING
SYSTEM
THE LOWER WATER PUMP HOSE
IS WET, LEAKING TO LEVER 2 SO
TIGHTEN THE CLAMPS.
Labor: 50.00



Control Linkage

THE IMPLEMENT CONTROL LEVER IS STICKY. THE RUBBER IS BREAKING DOWN LIKE SOMETHING WAS PUT ON IT. RECOMMEND REPLACEMENT SINCE IT WILL BE AN ISSUE IF WE TRY TO SELL IT. 356-5209

Parts: 916.00 Labor: 350.00



Fuel Level - GAUGES, OPERATOR STATION, CONSOLE THE FUEL TANK CAP IS MISSING. 370-9009

Parts: 65.00



Bucket Bottom
THERE IS WEAR ON THE
BOTTOM REAR OF BUCKET.
WILL LAST ANOTHER SEASON
BUT WOULD NEED BUILDUP
AFTER THAT. ADD \$2,500 IF
DONE.





••• Bucket Floor



••• Bucket Sides



Cutting Edges
 THE BASE EDGE IS IN GOOD CONDITION.





••• Quick Coupler



Bucket S/N - BUCKET 1 345-2768

