

# 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
- AIR CONDITIONER
- AM FM CD RADIO
- AUTO SHIFT
- AUXILIARY HYDRAULICS
- BEACON
- BLUETOOTH
- BUCKET
- COUNTERWEIGHT
- COUPLER, HYDRAULIC
- *5.5 YD LM BUCKET 345-2768*
- *3,065 LB*
- *CAT FUSION*
- DIFF LOCK/UNLOC
- DIFFERENTIAL, LIMITED SLIP
- ENGINE ENCLOSURES
- *FRONT*
- *REAR*
- HIGH LIFT
- LIGHTING
- EROPS
- RIDE CONTROL
- ULTRA LOW SULFUR DIESEL
- FUEL
- PRODUCT LINK
- *ELITE*
- *AUTOMATIC*
- 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.

**CONDITION**

●●● Good

●● Fair

● Poor

Approved Repair

**GENERAL CONDITION**

Body  
●●●

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**

**PARTS & LABOR TOTAL: 1915.00**

Cab or Canopy  
●●●

Counterweight  
●●●

Crankcase Guard / Battery Box  
●●●

Decals  
●●●

Differential Supports  
●●●

Eng. Enclose Hood / Stack  
●●●

Fenders  
●●●

Front Frame  
●●●

Fuel Tank  
●●●

Grab Irons  
●●●

Paint  
●●●  
WILL LOOK NICE AFTER A  
GOOD CLEANING.

Pre-Cleaner Bowl  
●●●

Radiator Grill & Shroud  
●●●

Rear Frame  
●●●

Sheet Metal  
●●●

Steps / Ladder

●●  
ONE BELT WILL NEED  
REPLACEMENT ON THE L.H.  
PLATFORM STEP. 339-6746  
Parts: 65.00  
Labor: 50.00

Cleaning Required

**YES**

WILL NEED EXTENSIVE  
CLEANING.

Labor: 1800.00

S.O.S. Taken

**NO**

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

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**SAFETY ITEMS**

Brake Hold



Horn



Parking Brake - SAFETY ITEMS



ROPS



THE ROPS ARE CLEAN.

Seat Belt - SAFETY ITEMS



Back Up Alarm Functioning

**YES**

Brakes Functioning

**YES**

Safety Decals In Place

**YES**

Safety Decals Legible

**YES**

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**GAUGES, OPERATOR STATION, CONSOLE**

**PARTS & LABOR TOTAL: 65.00**

Air Conditioner



COOLING

Dash Console



Door Latches



Door Latches & Hinges



Doors



Floor Boards



Floor Mats



Gauges



Glass/Mirrors



Heater



Interior Lights



Meter



ACCURATE



Product Link



ELITE

Seat Cushion / Arm Rest



Switches



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

Parts: 65.00

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**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



THE EMISSIONS SYSTEM IS  
FUNCTIONING NORMAL.

Engine Supports



Exhaust / Muffler



Fuel System



Governor



Oil Filter Condition (CUT) -  
ENGINE



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

Operating Condition - ENGINE



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

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**COOLING SYSTEM**

**PARTS & LABOR TOTAL: 50.00**

Coolers  
●●●

Fan  
●●●

Fan Drive  
●●●  
HYD

Hoses  
●●●

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

Radiator  
●●●

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.

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### ELECTRICAL, STARTING AND CHARGING SYSTEM

Alternator



Batteries / Cables



Beacon



Lighting



Starter



Wiring



Block Heater

**YES**

Ether Aid

**YES**

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### TRANSMISSION

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 -  
TRANSMISSION



Pump - TRANSMISSION



Seals



Temp / Pressure Gauges  
●●●

Transmission - Forward Shifts  
●●●

Transmission - Reverse Shifts  
●●●

Universal Joints -  
TRANSMISSION  
●●●

Leaks - TRANSMISSION  
**NO**

Mag Screens Checked  
**NO**

Transmission - Noisy  
**NO**

Notes - TRANSMISSION  
THE HYSTAT IS PERFORMING  
NORMAL IN ALL SPEED SETTINGS.

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## STEERING

Articulate P & B  
●●●

Hand Metering Unit  
●●●

Lines / Fittings - STEERING  
●●●

Steering Cylinder  
●●●

Steering Linkage  
●●●

Steering Valves / Pumps  
●●●

Steering Wheel Tilt / Extend  
●●●

Valves  
●●●

Notes - STEERING  
THE MACHINE IS STEERING NORMAL.

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## BRAKE

Accumulator  
●●●

Control Valve  
●●●

Lines  
●●●

Parking Brake - BRAKE  
●●●

Pedal  
●●●

Pump - BRAKE  
●●●

Type (Wet, Dry)  
●●●  
WET INTERNAL.

Holds In Park  
**YES**


Leaks - BRAKE  
**NO**


Notes - BRAKE  
ALL BRAKES ARE FUNCTIONING  
NORMAL.


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**HYDRAULICS**

**PARTS & LABOR TOTAL: 1266.00**


Accumulator Charge - Ride  
Control  
  
ACCUMULATORS WERE  
REPLACED 420 HRS AGO.

Bucket & Hoist Kickout  



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  


Overall Operating Condition  


Pumps & Valves  


Tank  


Tilt Cylinder  


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

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**BUCKET**

**PARTS & LABOR TOTAL: 250.00**

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 Linkage - BUCKET 1



TIGHT

Bucket Sides



Cutting Edges



THE BASE EDGE IS IN GOOD CONDITION.

Loader Frame



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

345-2768

Bucket Size

5.5 YDS

Notes - BUCKET

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

Differentials



Front Axle



Rear Axle



Rear Final Drives



Trunion



Wheel Lugs & Rims - FINAL

DRIVES



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.

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**TIRES**

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

Notes - TIRES

ALL TIRES ARE IN GOOD FUNCTIONAL CONDITION.

Tire Size - TIRES

20.5R25

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**COMMENTS, MISC. REPAIRS, GENERAL REMARKS**

comment 1

THE MACHINE IS IN GOOD FUNCTIONAL CONDITION WITH SMOOTH ENGINE & NORMAL PERFORMING HYSTAT. THE LINKAGES 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 LEVEL 2PM IN 118 HRS.

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 363-  
9959 . 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

