SMITMA
HEAVY EQUIPMENT

INSPECTION REPORT

CATERPILLAR 140M

The Caterpillar 140M Motor Grader is a robust and powerful machine designed for heavy-duty construction and maintenance work. It is equipped with a Caterpillar C7 engine that delivers 155kW of power and meets Tier 3 emission standards, ensuring both performance and environmental compliance. This motor grader features air conditioning for operator comfort, 14.00R24 tyres for rugged terrain, and a scarifier for enhanced grading capabilities. With a hydraulic tip control and a center blade width of 4.29m, the 140M provides precision in every task. This machine is in very good condition, with certified operational hours by Caterpillar and a variety of components checked and verified for safety and performance.



Specifications

Year	2010
Hours	6721
Weight	16000 kg
Serial number	CAT0140MCB9D02724
Reference	181850

Features

Engine and model	Caterpillar C7,
Engine power in kW	155kW,
EPA	true
Emission level	Tier 3,
Hydraulic tip control	✓
Width of the center blade	4.29m,
Hours	Hours certified by Caterpillar
Overall condition	In very good and clean condition.

General Appearance

Stamped serial number checked	Yes
Serial number plate checked	Yes
Paint	★★★☆☆
Decals	★★★☆☆
Bonnet	★★★☆☆
Engine cover doors	★★★☆☆
Battery box	★★★☆☆
Radiator grill	★★★☆☆
Steps/ladders	★★★★☆
Grab irons	★★★☆☆
Cabin	★★★☆☆
Draw bar	★★★☆☆
Fuel tank	★★★☆☆
Transmission guard	★★★☆☆
Pre-cleaner bowl	★★★☆☆
Sheet metal	★★☆☆☆
Cracks or welds	No

Engine Details And Condition

Engine number	KHX24114
Arrangement number	278-9732
Air cleaner	Clean
Anti-freeze level °C	- 35
Diesel anti-freeze added	Yes
Diesel level ok	Yes
Cooling liquid level ok	Yes
Engine oil level ok	Yes
Exhaust manifold	★★★☆☆
Muffler	★★★☆☆
Exhaust stack	★★★☆☆
Engine supports	★★★☆☆
Hoses	★★★☆☆
Good cold start	Yes
Engine power	★★★☆☆
Blow by	★★★☆☆
Knocking	No
Compression in the radiator	No
Water in the oil	No
Oil in the water	No
Smoke	Normal
Engine leaks	No
Belts and pulleys	★★★☆☆
Fan	★★★☆☆
Radiator	★★★☆☆

Operator Station

Hourmeter	Working, hours certified by Caterpillar
Air conditioning	Working
Heater	Working
Switches	★★★★☆
Warning	No Warnings Available
Mirrors	Not Broken
Cabin glass	Not broken
Display	★★★★☆
Windshield wipers	Few don't work
Interior lights	Working
Cabin floor	★★★★☆
Interior roof	★★★☆☆
Seat	★★★★☆
Steering column	★★★★☆

Steering

Articulate cylinder leaking	Yes
Wheel lean cylinder leaking	No
Steering cylinders leaking	No

Blade

Moldboard skin	★★★★☆

Scarifier

Play scarifier	★★★☆☆
Lifting cylinder leaking	No
Scarifier frame	★★★☆☆
Number of shanks	6

Ripper

Lifting cylinder leaking	No

Hydraulics

Hydraulic oil level ok	Yes
Hydraulic lines and fittings	★★★☆☆
Hydraulic tank/sight glass and cap	★★★★☆
Lift cylinders leaking	No
Side shift cylinder leaking	No
Tip cylinder leaking	No
Hydraulic valves leaking	No
Circle drive oil level ok	Yes
Circle drive leaking	No
Noise hydraulic pump normal	No

Electrical, Starting And Charging System

Alternator functioning	Yes
Wiring	★★★☆☆
Batteries	★★★☆☆
Starter	★★★★☆
Head lights working	Few lights don't work
Tail lights working	Few lights don't work
Signal lights working	Few lights don't work
Additional work lights working	Yes

Safety Items

Seat belt	Available
Horn	Working
Parking Brake	Working

Tyres

Front Left Tyres

Percentage life remaining	30%
Retreaded	No

Middle Left Tyres

Percentage life remaining	60%
Retreaded	No

Rear Left Tyres

Percentage life remaining	70%

Rear Right Tyres

Percentage life remaining	70%
Retreaded	No

Middle Right Tyres

Percentage life remaining	60%
Retreaded	No

Front Right Tyres

Percentage life remaining	60%
Retreaded	No

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