

INSPECTION REPORT

CATERPILLAR 140M2

The Caterpillar 140M2 is a robust and efficient motor grader designed for high performance and durability. Featuring a powerful Caterpillar C9 engine with 182 kW output and EPA compliance, this machine is ideal for complex grading tasks. It offers a 6x4 drive with auto shift, hydraulic tip control, and a center blade width of 4.27m. Additional features include blade lift accumulators, differential unlock, an AM/FM radio, and hours certified by Caterpillar. With a weight of 19800 kg and dimensions of 9.65x2.75x3.36m, it ensures stability and efficiency. The machine, produced in 2011, has recorded 12363 hours and is in very good, clean condition.



Specifications

Year	2011
Hours	12363
Weight	19800 kg
Serial number	CAT0140MTM9D00582
Reference	211795

Features

Engine and model	Caterpillar C9
Engine power in kW	182 kW
EPA	EPA
Ripper	✓
Hydraulic tip control	✓
Width of the center blade	4.27m
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	★★★★☆
Radiator grill	★★★★☆
Steps/ladders	★★★★☆
Grab irons	★★★★☆
Cabin	★★★★☆
Fuel tank	★★★★☆
Transmission guard	★★★★☆
Pre-cleaner bowl	★★★★☆
Sheet metal	★★★★☆
Cracks or welds	No

Engine Details And Condition

Engine number	MME01862
EPA sticker available	Yes
Air cleaner	Clean
Anti-freeze level °C	-36°C
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
Fan	★★★★☆
Radiator	★★★★☆

Operator Station

Hourmeter	Working, hours certified by Caterpillar
Air conditioning	Not Working
Heater	Working
Gauges	Working
Switches	★★★★☆
Warning	No Warnings Available
Mirrors	Not Broken
Cabin glass	Not broken
Display	★★★★☆
Windshield wipers	Working
Interior lights	Working
Cabin floor	★★★★☆
Interior roof	★★★★☆
Seat	★★★★☆

Steering

Articulate cylinder leaking	No
Play articulate cylinder	★★★★☆
Little play	
Play articulating point	★★★★☆
Wheel lean cylinder leaking	No
Play wheel lean cylinder	★★★★☆
Steering cylinders leaking	No
Play steering cylinders	★★★★☆
Play king pin front axle	★★★★☆
Steering frame	★★★★☆
Steering pump	★★★★☆
Steering operating condition	★★★★☆

Blade

Circle A frame	★★★★☆
Play circle A frame	★★★★☆
Circle frame	★★★★☆
Play circle frame	★★★★☆
Cutting edge	★★★★☆
Ring gear	★★★★☆
Moldboard skin	★★★★☆

Ripper

Play ripper	★★★★☆
Lifting cylinder leaking	No
Ripper frame	★★★★☆
Number of ripper shanks	5

Hydraulics

Hydraulic oil level ok		Yes
Blade lift accumulators		2
Hydraulic lines and fittings	★ ★ ★ ★ ★	
Hydraulic tank/sight glass and cap	★ ★ ★ ★ ★	
Play lift cylinder	★ ★ ★ ★ ★	
Lift cylinders leaking		No
Play side shift cylinder	★ ★ ★ ★ ★	
Side shift cylinder leaking		No
Play circle shift cylinder	★ ★ ★ ★ ★	
Circle shift cylinder leaking		No
Play tip cylinder	★ ★ ★ ★ ★	
Tip cylinder leaking		No
Hydraulic valves leaking		No
Circle drive oil level ok		Yes
Circle drive leaking		No
Operating condition hydraulics	★ ★ ★ ★ ★	
Noise hydraulic pump normal		Yes

Brake

Brakelines	★ ★ ★ ★ ★	
Service brake operation	★ ★ ★ ★ ★	
Parking brake operation	★ ★ ★ ★ ★	
Compressor	★ ★ ★ ★ ★	
Brake pedal	★ ★ ★ ★ ★	

Transmission

Transmission controls	★ ★ ★ ★ ★	
Transmission noisy		No
Leaks		No
Transmission oil level ok		Yes
Transmission fully operational in all gears forward and reverse		Yes

Drive Chain/Tandems

Differential lock/unlock working		Yes
Tandem housing	★ ★ ★ ★ ★	
Left tandem leaking		No
Left tandem oil level ok		Yes
Right tandem leaking		No
Right tandem oil level ok		Yes
Wheel bolts and rims	★ ★ ★ ★ ★	

Electrical, Starting And Charging System

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

Safety Items

Backup alarm	Working
Seat belt	Available
Horn	Working
Parking Brake	Working

Tyres

Front Left Tyres

Tread dept in mm	23mm
Percentage life remaining	60%

Middle Left Tyres

Tread dept in mm	10mm
Percentage life remaining	30%

Rear Left Tyres

Tread dept in mm	18mm
Percentage life remaining	50%

Rear Right Tyres

Tread dept in mm	14mm
Percentage life remaining	40%

Middle Right Tyres

Tread dept in mm	12mm
Percentage life remaining	40%

Front Right Tyres

Tread dept in mm	22mm
Percentage life remaining	60%



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