

INSPECTION REPORT

CATERPILLAR 120M - CE

The Caterpillar 120M motor grader features a robust C6.6 engine delivering 114 kW of power. This model includes an air conditioning system, hydraulic tip control, and a front blade, making it ideal for various grading tasks. Fitted with a backup camera for enhanced safety, the machine is also GPS-ready. It stands out with its differential unlock capability, AM/FM radio, and a ripping attachment. Its center blade spans 3.66 meters, providing broad coverage for larger areas. With 14,578 hours of certified operation, it remains in pristine and clean condition, reflecting Caterpillar's high standards.



Specifications

Year	2008
Hours	14578
Weight	17.534 kg
Serial number	CAT0120MTB9C00211
Reference	213680

Features

Engine and model	Caterpillar C6.6
Engine power in kW	114 kW
CE	✓
Ripper	✓
Hydraulic tip control	✓
Width of the center blade	3.66m
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	C6E09362
Arrangement number	2579006
Air cleaner	New
Anti-freeze level °C	-44°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
Belts and pulleys	★ ★ ★ ★ ★
Fan	★ ★ ★ ★ ★
Radiator	★ ★ ★ ★ ★

Operator Station

Hourmeter	Working
Air conditioning	Working
Heater	Working
Gauges	Working
Switches	★★★★★
Warning	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

Articulate cylinder leaking	No
Play articulate cylinder	★★★★★
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
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

Safety Items

Backup alarm	Working
Backup camera	Not Working
Seat belt	Available
Horn	Working
Parking Brake	Working

Tyres

Front Left Tyres

Percentage life remaining	30%
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Middle Left Tyres

Percentage life remaining	60%
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Rear Left Tyres

Percentage life remaining	50%
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Rear Right Tyres

Percentage life remaining	60%
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Middle Right Tyres

Percentage life remaining	60%
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Front Right Tyres

Percentage life remaining	30%
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