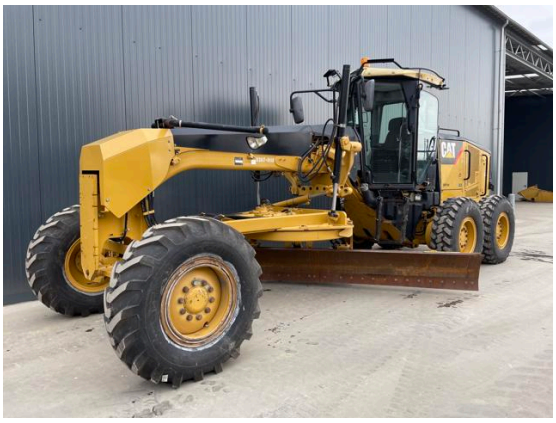
SMITMA
HEAVY EQUIPMENT

INSPECTION REPORT

CATERPILLAR 120M

The Caterpillar 120M is a reliable motor grader equipped with a powerful Caterpillar C6.6 engine. This model includes air conditioning and features new 14.00 R24 front tires. With a 6x4 drive, it offers precise hydraulic tip control and a wide center blade width of 4.29 meters. It features differential unlock and the operational hours are certified by Caterpillar. Extensions are available upon request. This machine is in very good and highly clean condition.



Specifications

Year	2009
Hours	10734
Weight	14000 kg
Serial number	CAT0120MEB9C00433
Reference	181180

Features

Engine and model	Caterpillar C6.6,
Hydraulic tip control	✓
Width of the center blade	4.29m,
Hours	Hours certified by Caterpillar
Overall condition	In very good and very 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	★★★★☆
Pre-cleaner bowl	★★★☆☆
Sheet metal	★★★★☆
Cracks or welds	No

Engine Details And Condition

Engine number	C6E15742
Arrangement number	264-0593
Air cleaner	Clean
Anti-freeze level °C	- 25
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
Gauges	Working
Switches	★★★★☆
Warning	No Warnings Available
Mirrors	Small Crack, no need to repair
Cabin glass	Not broken
Display	★★★★☆
Windshield wipers	Working
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	★★★☆☆

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
Additional work lights working	Yes

Safety Items

Backup alarm	Working
Seat belt	Available
Horn	Working
Parking Brake	Working

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