

INSPECTION REPORT

CATERPILLAR 12H - CE

The Caterpillar 12H - CE is a robust motor grader designed for excellent performance in a wide range of applications. Equipped with a powerful Caterpillar C-9 engine that delivers 123 kW, this machine ensures efficient and reliable operation. It features a low-profile EROPS cabin, automatic shift, and hydraulic tip control for enhanced comfort and control. The grader is equipped with a front blade and ripper, functions in a 6x4 configuration, and includes a backup camera for safety. Additionally, it has differential unlock capability and its hours are certified by Caterpillar, ensuring dependable performance.



Specifications

Year	2003
Hours	15977
Weight	16191 kg
Serial number	CAT0012HCCBK00252
Reference	213731

Features

Engine and model	Caterpillar C-9
Engine power in kW	123 kW
CE	✓
Ripper	✓
Cabin	Low profile erops cabin
Hydraulic tip control	✓
Width of the center blade	3.66m
Hours	Hours certified by Caterpillar
Beacon	✓
Overall condition	In good and very 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	4ZF05408
Arrangement number	168-7967
Air cleaner	Clean
Anti-freeze level °C	-39°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	Not Major
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	Not Broken
Cabin glass	Not broken
Display	★★★★★
Windshield wipers	Working
Interior lights	Working
Cabin floor	★★★★★
Interior roof	★★★★★
Seat	★★★★★
Steering column	★★★★★

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	★★★★★
Little play	
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	★★★☆☆	
Yoke play		
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
Backup camera	Working
Seat belt	Available
Horn	Working
Parking Brake	Working
Beacon	Working

Tyres

Front Left Tyres

Percentage life remaining	30%
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Middle Left Tyres

Percentage life remaining	20%
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Rear Left Tyres

Percentage life remaining	20%
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Rear Right Tyres

Percentage life remaining	20%
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Middle Right Tyres

Percentage life remaining	20%
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Front Right Tyres

Percentage life remaining

30%



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