

INSPECTION REPORT

CATERPILLAR 140H II

The Caterpillar 140H II Motor Grader is a robust and reliable piece of heavy machinery. Powered by a Caterpillar 3176c engine delivering 138kW, this machine is equipped with a differential lock/unlock system, air conditioning, and a low profile EROPS cabin designed for comfort and efficiency. The center blade, measuring 4.27 meters in width, ensures precise grading and leveling on various terrains. The machine is certified by Caterpillar for hours of operation, guaranteeing trust and dependability in performance. Additional attachments like extensions, a ripper, and a push block enhance its functionality. Manufactured in 2007 in Brazil, it remains in outstanding condition, certified as very good and clean, with maintenance records available.



Specifications

Year	2007
Hours	12199
Weight	14700
Serial number	CAT0140HECCA03975
Reference	210943

Features

Engine and model	Caterpillar 3176c
Engine power in kW	138kW
EPA	EPA
Push block	✓
Ripper	✓
Cabin	Low profile erops cabin
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	★★★★★
Battery box	★★★★★
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	3PD20378
Arrangement number	285-6403
EPA sticker available	Yes
Not complete readable	
Air cleaner	New
Anti-freeze level °C	-25°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, hours certified by Caterpillar
Heater	Working
Gauges	Working
Switches	★★★★★
Warning	No Warnings Available
Mirrors	Not Broken
Cabin glass	Not broken
Windshield wipers	Few don't work
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	★★★★★
Cutting edge	★★★★★
Ring gear	★★★★★
Moldboard skin	★★★★★

Ripper

Play ripper	★★★★★
Lifting cylinder leaking	No
Ripper frame	★★★★★
Number of scarifier shanks	3
Number of ripper shanks	3

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	Few lights don't work
Tail lights working	Few lights don't work
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	18mm
Percentage life remaining	70%
Retreaded	No

Middle Left Tyres

Tread dept in mm	20mm
Percentage life remaining	80%
Retreaded	No

Rear Left Tyres

Tread dept in mm	21mm
Percentage life remaining	80%
Retreaded	No

Rear Right Tyres


Tread dept in mm	16mm
Percentage life remaining	60%
Retreaded	No


Middle Right Tyres


Tread dept in mm	21mm
Percentage life remaining	80%
Retreaded	No

Front Right Tyres

Tread dept in mm	18mm
Percentage life remaining	70%
Retreaded	No

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