SMITMA
HEAVY EQUIPMENT

INSPECTION REPORT

VOLVO L180E

The Volvo L180E is a robust wheel loader, powered by a Volvo D12CLCE2 engine delivering 221kW. Manufactured in 2005, it maintains EPA and CE compliance. Enhanced with an EROPS cabin and air conditioning, it features Goodyear 26.5 R25 tyres in fair condition, a GP bucket with a 3.20m bolt-on edge, and full steering capabilities. Additional perks include ride control, autoshift, backup camera, and alarm. With a load indicator, central lubrication, and AM/FM radio, this 29,700 kg machine has been operated for 16,389 hours, verified through diagnostics. Overall, this unit is in good and clean condition.



Specifications

Year	2005
Hours	16389
Weight	29700 kg
Serial number	L180EV6682
Reference	179664

Features

Engine and model	Volvo D12CLCE2,
Engine power	221kW,
EPA	true
CE	✓
Erops cabin	✓
Tyre size	26.5 R25 Goodyear tyres 40% good,
Bucket	GP bucket with bolt on edge
Width of the bucket	3.20m,
Steering	Complete steering wheel
Ride control	✓
Autoshift	✓
Central lubrication	true
Beacon	✓
Hours	Hours checked with diagnostic computer
Overall condition	In good and fairly clean condition.

General Appearance

Stamped serial number checked	Yes
Serial number plate checked	Yes
Paint	★★☆☆☆
Bonnet	★★★☆☆
Engine cover doors	★★★☆☆
Chassis	★★★☆☆
Steps/ladders	★★★★☆
Grab irons	★★★★☆
Cabin	★★★★☆
Pre-cleaner bowl	★★★☆☆
Toolbox	★★★☆☆

Engine Details And Condition

Air cleaner	Clean
Anti-freeze level °C	- 49
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	Not working
Heater	Not working
Gauges	Working
Switches	★★★☆☆
Display	★★★☆☆
Warning	No warnings available
Mirrors	Small crack no need to repair
Cabin glass	Small crack no need to repair
Interior lights	Working
Cabin floor	★★★☆☆
Interior roof	★★★☆☆
Seat	★★★☆☆

Bucket

Overall condition of the bucket	★★★★☆
Bottom	★★★★☆
Sides	★★★★☆
Cutting edge	★★★☆☆

Frame

Play articulation point	★★★☆☆
Play loading frame	★★★☆☆
Play bucket pins	★★★☆☆
Crack or welds	No

Hydraulics

Hydraulic oil level ok	Yes
Hydraulic lines and fittings	★★★☆☆
Hydraulic tank/sight glass and cap	★★★★☆
Hydraulic valves leaking	Not major
Noise hydraulic pump normal	Yes
Operating condition hydraulics	★★★★☆

Brake

Brakelines	★★★☆☆
Service brake operation	★★★☆☆
Parking brake operation	★★★☆☆
Compressor	★★★☆☆

Drive Train/ Transmission

Transmission fully operational in all gears forward and reverse	Yes
Transmission oil level ok	Yes
Transmission noisy	No
Oil level front axle ok	Yes
Oil level rear axle ok	Yes
Drivetrain leaks	No

Electrical, Starting And Charging System

Alternator functioning	Yes
Wiring	★★★☆☆
Batteries	★★★☆☆
Starter	★★★☆☆
Cabin lights working	Yes

Safety Items

Backup alarm	Working
Seat belt	Available
Beacon	Not working

Tyres

Front Left

Tread dept in mm	24mm
Percentage life remaining	44%
Retreaded	No

Rear Left

Tread dept in mm	15mm
Percentage life remaining	27%
Retreaded	No

Rear Right

Tread dept in mm	20mm
Percentage life remaining	36%
Retreaded	No

Front Right

Tread dept in mm	12mm
Percentage life remaining	22%
Retreaded	No

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