SMITMA
HEAVY EQUIPMENT

INSPECTION REPORT

CATERPILLAR 320E L

The Caterpillar 320E L is a high-performance excavator equipped with a Caterpillar C6.6 engine delivering 122 kW. The machine features CE certification, air conditioning, and a robust undercarriage with 600mm width pads, new chains, and rollers. It comes with a mono boom and a 2.95m stick, complemented by a Verachtert CW40 hydraulic quick coupler. The 1.40m-wide digging bucket is piped for both hammer and shear, and the lift and stick cylinders are equipped with burst valves. Additional features include an AM/FM radio, certified hours by Caterpillar, and the machine is in excellent condition. Built in 2013, it has clocked 11760 operational hours.



Specifications

Year	2013
Hours	11760
Weight	22400 kg
Serial number	CAT0320EENAZ01007
Reference	187060

Features

Engine brand and model	Caterpillar C6.6,
Engine power in kW	122 kW,
CE	✓
Air conditioning	✓
Width of the pads	600mm, NEW chains and rollers,
Boom	Mono boom
Length of the stick	2.95m,
Bucket	Digging bucket with teeth
Width of the bucket	1.40m,
Piped	Piped for hammer & shear
AM/FM Radio	✓
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	★★★☆☆
Body work	★★★☆☆
Decals	★★★☆☆
Bonnet	★★★☆☆
Engine cover doors	★★★☆☆
Chassis	★★★☆☆
Bottom plates	★★★☆☆
Counter weight	★★★☆☆
Toolbox	★★★☆☆
Steps/ladders	★★★☆☆
Grab irons	★★★☆☆
Cabin	★★★☆☆
Pre-cleaner bowl	★★★☆☆
Cracks or welds	No

Engine Details And Condition

Engine number	C8N11749
Arrangement number	345-2887
Air cleaner	Clean
Anti-freeze level °C	- 38
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	★★★☆☆

Bucket

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

Undercarriage Left In Life In %

Overall condition	80% good
Chains	100%
Bushings	100%
Sprockets	60%
Idlers	40%
Bottom rollers	100%
Top rollers	100%
Track pads	60%

Operator Station

Hourmeter	Working, hours certified by Caterpillar
Air conditioning	Working
Heater	Working
Gauges	Working
Switches	★★★★☆
Display	★★★★☆
Warning	No warnings available
Mirrors	Not broken
Cabin glass	Small crack, no need to repair
Windshield wipers	Working
Interior lights	Working
Cabin floor	★★★★☆
Interior roof	★★★★☆
Seat	★★★★☆

Hydraulics

Hydraulic oil level ok	Yes
Hydraulic lines and fittings	★★★★☆
Hydraulic tank/sight glass and cap	★★★★☆
Travel motors	★★★★☆
High and low travel speed working	Working
Oil level left final drive ok	Yes
Left final drive leaking	Not Major
Oil level right final drive ok	Yes
Right final drive leaking	No
Hydraulic valves leaking	No
Noise hydraulic pump normal	Yes
Operating condition hydraulics	★★★★☆

Boom And Stick

Play lift cylinder	★★☆☆☆
Lift cylinders leaking	No
Play boom pen	★★★☆☆
Play stick cylinder	★★★☆☆
Stick cylinder leaking	No
Play stick pen	★★☆☆☆
Play bucket cylinder	★★★☆☆
Bucket cylinder leaking	No
Play bucket link	★★★☆☆
Play bucket pen	★★★☆☆
Condition monoboom	★★★☆☆
Condition stick	★★★☆☆

Swing Circle

Play on the swing bearing	★★★☆☆
Swing gear	★★★☆☆
Swing drive oil level ok	Yes
Swing drive leaking	No
Swing brake operating	Yes
Swing noice normal	Yes
Hydraulic swivel leaking	No
Operating condition	★★★★☆

Electrical, Starting And Charging System

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

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