SMITMA
HEAVY EQUIPMENT

**INSPECTION REPORT**

# CATERPILLAR D7R II | CE | Powertrain 9870 Hours!

**The Caterpillar D7R II is a robust and efficient dozer, equipped with the Caterpillar 3176C engine that generates 174 kW. This 2002 model features a CE marking, ensuring compliance with EU safety, health, and environmental protection requirements. Enclosed in an EROPS cabin for operator comfort, it includes a Semi-U tilt blade with a width of 3.69 meters, fingertip control, and a multi-shank ripper. The dozer has undergone 9,870 hours of powertrain operation, certified by Caterpillar. With a total machine weight of 34,900 kg and dimensions of 7.05 x 3.69 x 3.33 meters, it is in good and very clean condition and ready for demanding tasks.**



## Specifications

| | |
|---|---|
| **Year** | 2002 |
| **Hours** | 18243 |
| **Weight** | 34.900 kg |
| **Serial number** | CAT00D7RKACS00520 |
| **Reference** | 208103 |

## Features

| | |
|---|---|
| **Engine brand** | Caterpillar |
| **Engine model** | 3176C |
| **Engine power in kW** | 174 kW |
| **CE** | ✓ |
| **Erops cabin** | ✓ |
| **Blade** | Semi U tilt blade |
| **Width of the blade** | 3.69m |
| **Steering** | Finger tip control |
| **Ripper or valve** | Multi shank ripper |
| **Width of the pads** | 560mm |
| **Manual description** | Powertrain 9870 hours! |
| **Hours** | Hours certified by Caterpillar |
| **Overall condition** | In good and very clean condition. |

## Documents

| | |
|---|---|
| **Parts book** | ✓ |
| **Operation manual** | ✓ |

## General Appearance

| | |
|---|---|
| Stamped serial number checked | Yes |
| Serial number plate checked | Yes |
| Paint | ★★★☆☆ |
| Decals | ★★★☆☆ |
| Bonnet | ★★★★☆ |
| Engine cover doors | ★★★★☆ |
| Chassis | ★★★★☆ |
| Grab irons | ★★★★☆ |
| Cabin | ★★★☆☆ |
| Belly plate | ★★★☆☆ |
| Pre-cleaner bowl | ★★★☆☆ |

## Engine Details And Condition

| | |
|---|---|
| Engine number | 7ZR23913 |
| Anti-freeze level °C | -30°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 | ★★★☆☆ |
| 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 | ★★★☆☆ |

## Undercarriage Left In Life In %

| | |
|---|---|
| Overall condition | 50% |
| Chains | 70% |
| Bushings | 60% |
| Sprockets | 60% |
| Idlers | 60% |
| Bottom rollers | 30% |
| Track pads | 30% |

## Operator Station

| | |
|---|---|
| **Hourmeter** | Working, hours certified by Caterpillar |
| **Air conditioning** | Not Working |
| **Heater** | Not Working |
| **Gauges** | Working |
| **Switches** | ★★★★☆ |
| **Display** | ★★★★☆ |
| **Warning** | No Warnings Available |
| **Cabin glass** | Not broken |
| **Windshield wipers** | Few don't work |
| **Interior lights** | Working |
| **Cabin floor** | ★★★☆☆ |
| **Interior roof** | ★★☆☆☆ |
| **Seat** | ★★★★☆ |

## Steering

| | |
|---|---|
| **Steering operating condition** | ★★★★☆ |

## Frame And Blade

| | |
|---|---|
| **Moldboard skin** | ★★★★☆ |
| **Cutting edge** | ★★★★★ |
| **Play dozer frame** | ★★★☆☆ |
| Little play | |
| **Play blade pin** | ★★★☆☆ |
| **Play push arms** | ★★★☆☆ |
| **Play lift cylinder** | ★★☆☆☆ |
| Yoke little play | |
| **Lift cylinders leaking** | No |
| **Play tilt cylinder** | ★★☆☆☆ |
| **Tilt cylinder leaking** | No |
| **Play equaliser bar** | ★★☆☆☆ |
| **Cracks or welds** | No |

## Ripper

| | |
|---|---|
| **Play ripper** | ★★★☆☆ |
| **Cylinders leaking** | No |
| **Ripper frame** | ★★★☆☆ |
| **Number of ripper shanks** | 1 |

## Hydraulics

| | |
|---|---|
| **Hydraulic oil level ok** | Yes |
| **Hydraulic lines and fittings** | ★★★☆☆ |
| **Hydraulic tank/sight glass and cap** | ★★★★☆ |
| **Hydraulic valves leaking** | No |
| **Noise hydraulic pump normal** | Yes |
| **Operating condition hydraulics** | ★★★★☆ |

## Brake

| | |
|---|---|
| Service brake operation | ★★★★☆ |
| Parking brake operation | ★★★☆☆ |

## Drive Train/ Transmission

| | |
|---|---|
| Transmission fully operational in all gears forward and reverse | Yes |
| Transmission oil level ok | Yes |
| Transmission noisy | No |
| Oil level left final drive ok | Yes |
| Oil level right final drive ok | Yes |
| Drive chain leaks | No |

## Electrical, Starting And Charging System

| | |
|---|---|
| Alternator functioning | Yes |
| Wiring | ★★★☆☆ |
| Batteries | ★★★☆☆ |
| Starter | ★★★☆☆ |
| Cabin lights working | Few lights don't work |

## Safety Items

| | |
|---|---|
| Backup alarm | Working |
| Seat belt | Available |
| Horn | Working |

+31 (0) 77 3999 840 sales@smitma.com +31 (0) 77 3999 840