SMITMA
HEAVY EQUIPMENT

**INSPECTION REPORT**

# CATERPILLAR 735

**The Caterpillar 735 is a robust articulated dumper designed for demanding construction and mining projects. It is equipped with a powerful Caterpillar 3406E engine delivering 273 kW of power, ensuring efficient performance. This dumper is equipped with high-standard safety and comfort features, including air conditioning, an advanced EROPS cabin, a retarder, a heated body, and a backup alarm. Certified by Caterpillar, the machine is in good and clean condition with 12,594 hours of operation verified by the manufacturer. It boasts a 6x6 configuration for optimal navigation across rugged terrain. Additional features include central lubrication and a fast fuel system, enhancing its efficiency and durability.**



## Specifications

| | |
|---|---|
| **Year** | 2004 |
| **Hours** | 11374 |
| **Weight** | 30.250 kg |
| **Serial number** | CAT00735PAWR00720 |
| **Reference** | 213655 |

## Features

| | |
|---|---|
| **Engine** | Caterpillar |
| **Engine model** | 3406E |
| **Engine power** | 273 kW |
| **EPA** | ✓ |
| **CE** | ✓ |
| **Air conditioning** | ✓ |
| **Configuration** | 6x6 |
| **Erops cabin** | ✓ |
| **Retarder** | ✓ |
| **Heated body** | ✓ |
| **Backup alarm** | ✓ |
| **Hours** | Hours certified by Caterpillar |
| **Manual description** | Hours checked by caterpillar:12594h |
| **Overall condition** | In good and clean condition. |

## Documents

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

## General Appearance

| | |
|---|---|
| Stamped serial number checked | Yes |
| Serial number plate checked | Yes |
| Paint | ★★★☆☆ |
| Decals | ★★☆☆☆ |
| Bonnet | ★★★☆☆ |
| Chassis | ★★★☆☆ |
| Steps/ladders | ★★★☆☆ |
| Grab irons | ★★★☆☆ |
| Cabin | ★★★☆☆ |
| Transmission guard | ★★★☆☆ |

## Engine Details And Condition

| | |
|---|---|
| Engine number | BET09643 |
| EPA sticker available | Yes |
| Air cleaner | Clean |
| Anti-freeze level °C | -36 °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 |
| Air conditioning | Working |
| Heater | Working |
| Gauges | Working |
| Switches | ★★★☆☆ |
| Display | ★★★☆☆ |
| Warning | No warnings available |
| Mirrors | Not broken |
| Cabin glass | Not broken |
| Windshield wipers | Working |
| Interior lights | Working |
| Cabin floor | ★★★☆☆ |
| Interior roof | ★★★☆☆ |
| Seat | ★★★★☆ |
| Door lock | Working |

## Frame

| | |
|---|---|
| Play front suspension frame | ★★★☆☆ |
| Play middle suspension frame | ★★★☆☆ |
| Play rear suspension frame | ★★★☆☆ |
| Play articulation point | ★★☆☆☆ |
| Shock absorbers articulation point | ★★★☆☆ |
| Play body tipping pin | ★★★☆☆ |
| Bearings tipping cylinders | ★★★★☆ |
| Shock absorbers body | ★★★☆☆ |
| Play rear equalizer | ★★★☆☆ |
| Shock absorbers equalizer | ★★★☆☆ |
| Cracks or welds | No |

## Body

| | |
|---|---|
| Condition outside body | ★★★☆☆ |
| Body plates | ★★☆☆☆ |
| Cracks or welds | Yes |

## 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

| | |
|---|---|
| Brakelines | ★★★☆☆ |
| Service brake operation | ★★☆☆☆ |
| Parking brake operation | ★★★☆☆ |
| Compressor | ★★★☆☆ |
| Brake pedal | ★★☆☆☆ |

## Drive Train/ Transmission

| | |
|---|---|
| Transmission fully operational in all gears forward and reverse | Yes |
| Transmission oil level ok | Yes |
| Transfer gear box oil level ok | Yes |
| Transmission noisy | No |
| Differential lock/unlock working | Yes |
| Oil level front axle ok | Yes |
| Oil level middle axle ok | Yes |
| Oil level rear axle ok | Yes |

## Electrical, Starting And Charging System

| | |
|---|---|
| Alternator functioning | Yes |
| Wiring | ★★★☆☆ |
| Batteries | ★★★☆☆ |
| Starter | ★★★☆☆ |
| Cabin lights working | Yes |
| Tail lights working | Yes |

## Safety Items

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

## Tyres

### Front Left

| | |
|---|---|
| Percentage life remaining | 40% |

### Middle Left

| | |
|---|---|
| Percentage life remaining | 50% |

### Rear Left

| | |
|---|---|
| Percentage life remaining | 70% |

### Rear Right

| | |
|---|---|
| Percentage life remaining | 70% |

## Middle Right

| | |
|---|---|
| **Percentage life remaining** | 50% |

## Front Right

| | |
|---|---|
| **Percentage life remaining** | 30% |

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