

WHY CHOOSE JCB?

JCB Power Systems has a history of providing a proven approach to emissions control solutions that not only meet legislation requirements but deliver customer value through lower operating costs. Our heavy-duty innovative powertrain solutions are specifically tailored to off highway machines. The technology not only makes our products clean and efficient but also ensure that end users of equipment with JCB engines increase return on investment.

No compromise installation solutions



- Efficient combustion = Compact exhaust aftertreatment
- Identical engine footprint across emissions ranges
- Engine mounted and bespoke aftertreatment configurations
- Industrial Power Unit Package for static equipment

Reduced operating costs



- Fuel consumption reduced by up to 15% from EU Stage IIIA
- Service intervals extended to 1000 hours*
- "Fit for life" exhaust aftertreatment systems
- Optimised fuel economy for real world duty cycles

Efficient operation



- High torque at low engine speed – efficient equipment design and increased output
- No forced high temperature regeneration – Operators not required to deviate from normal task
- Engine auto stop compatible*
- Reduced frictional losses by 30%*

Serviceability



- Automatic valve clearance adjustment*
- Zero maintenance crankcase ventilation systems*
- Single side servicing
- Automatic auxiliary drive belt tensioning

Durability



- Technology specifically developed in and for heavy-duty off-highway applications
- Robust cylinder block and bedplate engine design
- Gasket free component sealing arrangements
- Simplified turbocharging and EGR systems

THE JCB PEDIGREE

In 2006, the JCB Dieselmax Streamliner powered by two JCB 444 engines producing an incredible 1500HP broke the world land speed record for a diesel-powered car averaging a speed of 510.196kph (317.021MPH). The record still stands today. The project proved to the world just how powerful and robust a JCB diesel engine could be. JCB changed the name of the engine from 444 to DIESELMAX in honour of the record and the rest is history.

Efficient by design

Award winning products that have become renowned for fuel economy and productivity.

Heavy duty

Powertrain solutions specifically tailored for off highway machine environments.

Innovation

An approach to diesel engine design that not only meets legislation but delivers customer value through increased uptime and lower operating costs.

Versatile

Global engine solutions with common footprint and component commonality across engine ranges and emissions stages.

Proven

Fitted into more than half a million machines worldwide. Core engine architecture shared with the record breaking Dieselmax.

Industry experience

Active in all industries from construction and industrial through to agricultural and marine. We understand your business.

Global customer support

Unrivalled support from a network of over 2,000 dealer outlets and 16 parts warehouses worldwide. Providing 24/7 technical support.

The new DIESELMAX **STAGE V** engine.
Proven by history.
Efficient by design.



* 3.0L engine family

