

3412 used service manual

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All About the Caterpillar 3412 Engine

Specifications

The Caterpillar 3412 engine is a 12-cylinder, turbocharged, four-stroke diesel engine. It has a displacement of 21.1 liters and a bore and stroke of 145 mm x 162 mm. The compression ratio is 16.5:1. Maximum output is 675 horsepower at 2100 RPM and peak torque is 2,250 foot-pounds at 1400 RPM.

Oil Capacity

The Cat 3412 engine holds 37 gallons of oil.

Engine Meaning

The "34" in 3412 refers to the number of cylinders, and the "12" refers to the displacement in liters.

Displacement

The displacement of a 3412 Cat engine is 21.1 liters.

Comparison: CAT 336 vs. 340

The CAT 336 and 340 engines are both 6-cylinder diesel engines. However, the 340 is a newer engine with a larger displacement (10.4 liters vs. 8.3 liters) and higher power output (425 horsepower vs. 330 horsepower).

Best Caterpillar Truck Engine

The Caterpillar 3408 is considered by many to be the best Caterpillar truck engine ever produced. It is known for its reliability, power, and longevity.

Oil Pressure

The oil pressure for a Cat 3412 engine should be between 40 and 60 PSI at idle and 60 to 100 PSI at full load.

Life Expectancy: 3408 Cat Engine

The life expectancy of a 3408 Cat engine is typically between 15,000 and 20,000 hours.

Fuel Consumption: CAT 336F

The CAT 336F engine consumes approximately 10 gallons of fuel per hour at full load.

Reliability of Cat Engines

Cat engines are known for their reliability because they are built with high-quality materials and components. They are also designed to withstand harsh operating conditions.

Code 36 on a Cat Engine

Code 36 on a Cat engine indicates a problem with the fuel system. It can be caused by a variety of factors, including a faulty fuel injector, a clogged fuel filter, or a leak in the fuel line.

Code 34 on a Cat Engine

Code 34 on a Cat engine indicates a problem with the emissions system. It can be caused by a variety of factors, including a faulty EGR valve, a clogged DPF, or a

leak in the exhaust system.

Horsepower: 3412 Engine

The horsepower of a 3412 engine is 675 at 2100 RPM.

Horsepower: 3408 Engine

The horsepower of a 3408 engine is 475 at 2100 RPM.

Horsepower: 3406 Cat Motor

The horsepower of a 3406 Cat motor is 350 at 1800 RPM.

Caterpillar: Good Diesel Engine?

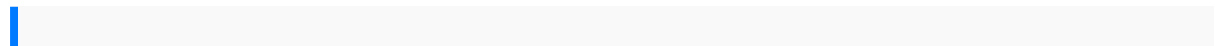
Yes, Caterpillar is a reputable manufacturer of diesel engines. Caterpillar diesel engines are known for their reliability, power, and longevity.

Last Year Caterpillar Made Truck Engines

Caterpillar stopped producing truck engines in 2010.

3406B Spec

The 3406B spec is a 6-cylinder diesel engine with a displacement of 10.4 liters and a power output of 350 horsepower.



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