



Independent Rebuild Specialist

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Brighton, CO 80601
USA

We ship worldwide!

CAT 3516 Engine for 789D Mining Truck

The CAT 3516 is a proven V16 diesel engine used in mining, power generation, marine, oilfield, and industrial applications where high horsepower and long-term reliability matter. Built for demanding duty cycles, the 3516 is trusted in equipment and power systems that must perform under heavy loads and harsh conditions. Independent

Rebuild Specialist provides CAT 3516 engine rebuilds, remanufactured engines, component repair, and replacement solutions to help restore performance, improve uptime, and extend the working life of critical assets.



Remanufactured Engine Specs

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Engine Make

Caterpillar

Engine Serial No.

B8F

Reman Number

20R-3194

Engine Model

3516

Arrangement No.

365-9316

Fits

789D Haul Truck

What's Included With Every Rebuild

Every engine remanufactured by Independent Rebuild Specialist follows a controlled, documented process designed to deliver consistent quality, reliable performance, and complete accountability. From initial inspection through final testing, each rebuild includes the critical services required to help ensure your engine is ready for demanding applications.

1. Comprehensive Inspection

Every rebuild begins with a detailed inspection to evaluate component condition, wear patterns, contamination, dimensional accuracy, and overall serviceability. Our findings establish a documented rebuild plan based on measured data rather than assumptions.

2. Complete Teardown

Each engine is fully disassembled to expose every major component for cleaning, inspection, and evaluation. A complete teardown allows hidden defects to be identified early and provides the foundation for a controlled, high-quality rebuild.

3. Precision Machining

Critical machining operations are performed in-house to maintain complete quality control throughout the rebuild process. Cylinder blocks, cylinder heads, crankshafts, connecting rods, and other major components are measured, machined, and verified to meet Caterpillar specifications and our internal quality standards.

4. Controlled Assembly

Assembly is performed by experienced Caterpillar engine technicians following documented procedures and multiple quality verification checkpoints. Critical clearances, torque values, timing, and component installation are inspected and recorded throughout the build to ensure consistency and long-term reliability.

5. Professional Finishing

Following assembly, each engine is cleaned, finished, and painted in-house to provide corrosion protection, a professional appearance, and a consistent factory-quality presentation before shipment.

6. Dynamometer Performance Testing

Every completed engine undergoes dynamometer testing prior to shipment. Operating parameters, performance, and system functionality are verified under controlled conditions, allowing our technicians to identify and resolve any issues before the engine reaches the customer.

7. Two-Year / 4,000-Hour Warranty

Every remanufactured engine is backed by our base comprehensive 2-year / 4,000-hour warranty, with extended coverage options available for qualifying applications. Our commitment to your engine continues long after it leaves our facility.

8. Comprehensive Rebuild Documentation

Every rebuild includes detailed documentation that provides complete transparency into the work performed. Depending on the engine and project scope, your rebuild package may include inspection reports, dimensional measurements, parts replacement records, machining documentation, photographs, dynamometer test results, and other quality records that verify every stage of the rebuild process.



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