



Cleveland Brothers

ENGINE REBUILD CENTER

Cleveland Brothers has expanded our gas compression engine services for the Cat® G3500 and G3600 engines. Our state-of-the-art Engine Rebuild Center in Ebensburg, Pa., is committed to providing industry-leading service in the gas engine market. Our process is firmly rooted in the principles of safety, quality, reliability and connectivity, ensuring your engine is upgraded to the latest Caterpillar OEM specifications and performance monitoring technologies.

STATE-OF-THE-ART FACILITY

- » 165,000 sq. ft. facility that includes:
 - Two dynamometer (dyno) test cells
 - Up to 25 bays dedicated to tear down, assembly and prep
 - Parts Warehouse
 - Final wash and paint area
 - Component salvage area for machining blocks and cranks back to specifications
- » Reliable and repeated process methods
 - 100% climate-controlled facility
 - Strict adherence to contamination control throughout the entire process
 - Each step of the remanufacturing process is repeated and documented to ensure the highest quality standards are maintained
 - Strict adherence to OEM inspection and reusability guidelines

For more information about our Engine Rebuild Center and capabilities, please contact your local Cleveland Brothers representative or call **814-471-1710**

**Cleveland
Brothers**



www.ClevelandBrothers.com

YOUR **TRUSTED** GAS COMPRESSION ENGINE EXPERTS

Cleveland Brothers is no stranger to the area of engine rebuilds. We can remanufacture any Cat gas compression engine back to OEM specifications including G3300, G3400, G3500 and G3600 engines.

- » First dealer to progressively build G3600 engines
- » Engines are disassembled to bare block and rebuilt to a true Cat zero hour overhaul
- » Block salvage capabilities include:
 - Magnaflux inspection, main bore inspection and alignment checks
 - Robotic spray weld
 - Machining to restore main bearing bores, upper and lower liner bores, resurfacing and resetting counter-bores
- » Fast turnaround through the entire engine rebuild process
- » Quality Controlled Rebuild Process
 - Disassembly
 - Specialized tear down technicians disassemble all components per a documented process
 - Inspections are conducted per Caterpillar Reused and Salvage Guidelines
 - Parts Cleaning
 - State-of-the-art cleaning capabilities using chemistry to clean all components according to Caterpillar guidelines
- Component Assembly
 - Progress checked at critical assembly points
 - Assembled using documented procedures
- Dyno Testing
 - Two dyno test cells used for testing of the rebuilt engines under full load
 - 8,000 HP
 - 4,500 HP
 - Less than 500 HP
- Paint and Storage
 - Engine is painted before shipping with an "as new" appearance



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