

CASE STUDY: REPSOL BENEFITS FROM MORE THAN 30 YEARS OF CAT® ENGINE RELIABILITY

CUSTOMER	LOCATION	CAT DEALER	PRODUCT	INDUSTRY	SOLUTION
Repsol	Pennsylvania, US	Cleveland Brothers	G3600 & G3500 Engines	Gas Compression	Power Solution

DEPENDABLE ENGINE PERFORMANCE SUPPORTS CONTINUOUSLY EVOLVING NATURAL GAS COMPRESSION OPERATION DEMANDS

UPTIME 24/7

For energy providers, downtime is not an option. Global multi-energy provider Repsol requires dependable gas compression engine performance as well as reliable support. Repsol has invested heavily in field-proven Cat® engines over the years and reaped the benefits of consistent performance backed by expert technical support that's available 24/7.

PROVEN PERFORMANCE EVERY TIME, OVER TIME

The nature of the oil and gas industry demands rugged solutions and responsive, skilled support to ensure equipment remains up and running. Repsol has trusted Caterpillar and Cat dealer Cleveland Brothers for several years to expertly maintain and expand its fleet of gas compression engines to keep pace with the industry's dynamic changes, their own growth and sustainability initiatives.

Repsol's relationship with Caterpillar and the 76-year-old service provider Cleveland Brothers exemplifies a true collaboration. The operator used Cat engines from the beginning in the Marcellus Shale region. At first, Repsol rented Cat gas compression engines. Today, they own more than 80 Cat® G3500 and G3600 engine models in their fleet. From their Cat engines that are more than 30 years old to their latest G3608 A4 Gen 1, each one has provided reliable uptime and a low total cost of ownership (TCO).

Cat gas compression engines are designed to run constantly for optimal uptime for customers. Regardless of the age or engine hours logged, Repsol can just as easily order parts for their decades-old Cat engines as well as their latest G3600 model. Repsol's fleet includes engines that have surpassed 100,000 hours of operations, with a large portion logging more than 50,000 hours.

"The reliability of Cat engines is second to none, and they support our operational and organizational goals. I also like the simplicity of Cat engines – they're built for what we have and our purpose." said Ryan Stratton, Repsol senior operator for production operations.



Caterpillar's commitment to continuous improvement enables each engine model to address gas compression operators' needs while aligning with industry demands. This is evident with the G3600 A4 Gen 2, for example, which offers an optional 10% power increase and lower emissions compared to the previous model and A3/A4 Gen 2 kits offering lower emission opportunities for existing equipment in the field. The durability, serviceability and parts compatibility of the Cat engine series comprehensively supports Repsol's operational goals.

EXPERT SUPPORT OPERATORS CAN COUNT ON

Access to highly skilled support technicians and account managers who intimately understand the oil and gas industry is crucial for any gas compression operator. The growth of Repsol's production has naturally driven the progression of their relationship with a full-time Cleveland Brothers technician exclusively focused supporting Repsol in this region. Repsol's close working relationship with Cleveland Brothers spans more than a decade and offers a glimpse of the degree of support and cooperation the Cat dealer network can provide.



The dealer has simplified Repsol's parts ordering by establishing a predictable service cadence through close monitoring and the sharing of engine data, helping extend the life cycle of Repsol engines. From oil sample trending to overhauls, small and significant topics are discussed in detail as part of the effort to optimize Repsol's operation. The open flow of communication maximizes the operator's equipment investment and helps ensure uptime.

"Cat engines are purpose-built and feature innovative technology and a reliable platform," commented Phillip Moser, Cleveland Brothers Repsol account manager. "Sharing data and results helped us discover the actual longevity of the engines so that we could extend the timelines for predictable maintenance and full overhauls. We're able to extend the life of an engine 15-20%."

To ensure ongoing safety and success in the evolving oil and gas industry, it's essential that the connection with customers extends beyond the equipment itself. The close collaboration from initial installation to maintenance and service contributes to the operational success customers have come to expect and value when the work is done together.