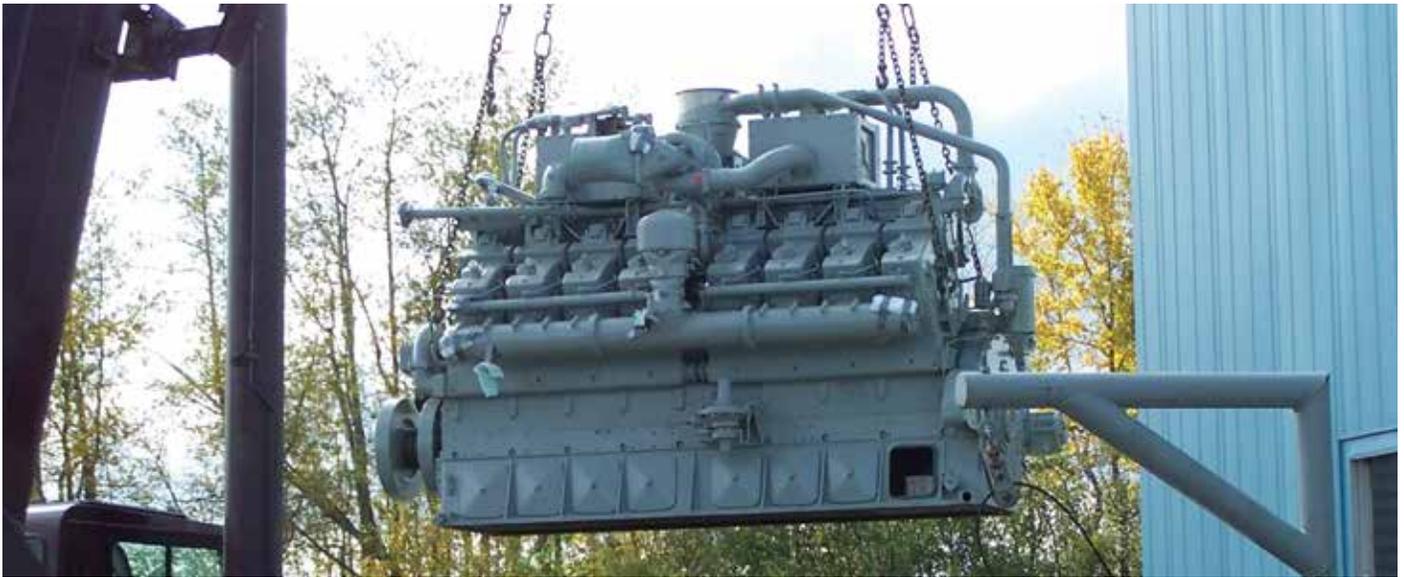


Remanufactured engine service

A certified, dyno-tested engine keeps you up and running



Bringing new life to natural gas engines



**Engines are manufactured to zero hours and include a warranty.
So why buy new?**



Remanufactured engines reduce downtime, increase production and equipment reliability and drive CAPEX savings. In our modern rebuild facility,

- Engines are rebuilt to OEM specification and with guaranteed quality.
- All engines contain new OEM parts, liners, pistons and OEM upgrades.
- Before leaving the facility, engines are load-tested to simulate field operating conditions in the dynamometer testing facility.

HOERBIGER offers remanufactured engines for exchange or outright purchase. Core credits are offered for non-failed cores.

4 great reasons to consider an exchange engine

- When you are asked to deliver maximum availability
- When you want to simplify your fleet
- When you can't risk a field overhaul
- If you worry about how long it takes to recover from an unexpected shutdown

Engine exchange overhaul versus frame engine overhaul

When gas prices are low and maintenance budgets are tight, an exchange engine makes the most sense. Exchanging your engine decreases your downtime. An exchange engine is installed and operating within 1 to 3 days compared to a 7 to 10 day frame overhaul. Our dyno-tested engines simulate field operating conditions at full load and are tuned so that you receive an engine free of defects and startup problems.



Quality Control

- temperature and light controlled
- optimal inspection location
- higher QC standards
- parts on hand (exchange parts inventory)
- machining more accessible
- on-hand, experienced mechanics

Dyno Testing and Tuning

- before any engine is sent out to site for exchange, it runs on our in-house Taylor dynamometer that has a 4000 BHP capacity
- all engine load tests simulate field operating conditions
- Dyno testing and tuning increases reliability and certifies that the engine you receive will be free of defects.

Production Cost Savings

- **up-and-running faster.** Exchange engines are installed within 1 to 3 days compared to 7 to 10 days for in-frame overhauls.
- **reduce downtime significantly.** You maximize the profitability of your gas plants.
- **significant cost savings.** You gain 3 to 4 days of production. If your daily production costs are \$27,000, our exchange engine process can save you up to \$108,000*.
- **increase availability** (the percent your equipment is running) while also increasing reliability and reducing crashes and call outs.
- **decrease travel costs** associated with long overhaul shutdowns.
- **compatibility.** An exchange engine allows you to standardize your fleet, reducing the spare part needs and simplifying equipment training.

Ergonomics and Safety

- design a work environment to maximize safety and efficiency
- reduce the heavy and potentially dangerous lifting associated with typical in-frame overhauls
- minimize poor working conditions related to weather, compressor building layout, and tooling requirements

Complete inventory of parts

HOERBIGER stocks a complete inventory of Exchange Engines and Major Overhaul parts for all lines of popular Natural Gas Engines including Waukesha, Caterpillar, Cummins, White-Superior and Arrow.

* Cost saving calculations are based on North American natural gas prices (as of June 2018) and may vary regionally.

A remanufactured engine by HOERBIGER

Offers:

- Remanufactured Engines & Components
- Exchange Engines
- Engine Upgrades
- INNIO Waukesha New Engines
- OEM Genuine Parts
- INNIO Waukesha Certified Technicians
- Material Stream Agreements
- Engine Commissioning Services
- Conditioning Monitoring Analysis

A large inventory of remanufactured engines in various makes and models

- Waukesha
- Caterpillar
- Cummins
- White Superior
- Arrow

Contact us today!

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HOERBIGER
because performance counts

EES-Reman-B-EN-1.2
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The HOERBIGER Group

HOERBIGER is active throughout the world as a leading player in the fields of compression technology, drive technology and hydraulics. In 2017, its 7,300 employees achieved sales of 1.173 billion euros. The HOERBIGER brand is synonymous with components and services providing high customer value in compressors, industrial engines and turbines, automotive drivetrains, and multifaceted mechanical engineering applications. HOERBIGER industrial safety and explosion mitigation solutions save lives and equipment.

We set Standards.

This product brochure contains product specifications based on research and development on the one hand and on manufacturing on the other hand. Dependent on place of installation, operating conditions and specifications, several parameters of the described product may change. Thus, HOERBIGER assumes no liability or warranty for the accuracy and completeness of information covered in this brochure.



Over fifty (50) engines are annually refurbished or exchanged and shipped around the world from our Canadian location.