Rotating equipment services

for reciprocating compressors, engines, rotary screw compressors and turbomachinery
- Process Industry
  - Refining and oil production
  - Petrochemical industry
  - Chemical industry

- Natural Gas Industry
  - Gas gathering
  - Gas transportation
  - Gas storage
  - Gas re-injection
  - CNG
  - LNG

- PET Bottle-Blowing

- Industrial Air

- Industrial Gases
  (Ar, C₂H₂, CO₂, He, H₂, N₂, N₂O, O₂, etc.)

- Industrial Refrigeration

- Utilities
  - Power generation
  - Gas & electric
  - Landfill
  - Water treatment

- Railway
HOERBIGER is a trusted name for quality, service and reliability. Our service facilities throughout North America are fully equipped and employ some of the most highly trained and experienced people in the business. We are committed to providing only the best service to the customers we serve.

We help our customers:
- increase compressor reliability
  - using high quality repairs & parts
  - trouble shooting problems
  - analyzing equipment health
  - retrofitting components
- increase MTBR
  - we increase the life for the least reliable components
- reduce maintenance costs
  - using better material and designs
- reduce operating costs
  - using control and monitoring systems that reduce fuel or power consumption
- reduce emissions using products like
  - nitrogen purge systems
  - packing cases
  - superior sealing systems
  - Eliminator™ covers
  - bellow actuators

Whether you require technical support, engineered product development, resource management or shop services, HOERBIGER Service has a solution for your equipment needs.
Reciprocating compressor service

Your reciprocating compressor gets the best care with HOERBIGER. Our services include repair of all compressor components as well as parts supply. We also offer a number of unique services like component wear analysis to improve compressor reliability and performance.

**Compressor overhauls**
- cylinder reboring
- cylinder reconditioning
- crossheads & pins
- connecting rods & bushings
- crankshafts & bearings
- cooler retubing

**Repairs and upgrades**
- valves
- rings and packing
- emission reductions
- capacity control systems
- HydroCOM
- pistons and piston rods
- cylinders
High-speed engine service

From our TriTech Compression facility in Canada, HOERBIGER offers repair, maintenance, overhaul and full load testing of major high speed natural gas engines. Our swing engine program gets you a full-load tested engine with the fastest turnaround time possible.

Engine overhauls
- in shop and 24/7 field services
- routine preventive or crash maintenance services
- complete field overhauls
- laser alignment
- O2 analyzers
- borescope
- smart manometers

Full load engine testing
- water-brake dynamometer capable of 4000 bhp from 600 to 2200 rpm
- fully configurable speed, torque and power test modes
- 19 pressure, 41 temperature and 4 analog channels for data acquisition
- 64,000 scfh of pipeline-quality natural gas fuel supply
- aftercooler and closed-loop engine water jacket cooling systems
- standalone intake, exhaust and air starting systems
Rotary screw and air end compressor service

HOERBIGER maintains all brands of rotary screw compressors. Repair and part replacement restores the compressor to the original equipment manufacturer’s specifications or better.

- air end rebuilding
- drive gear replacement
- bearings, shaft seals, gaskets and pre-load spring replacement
- housing bearing bores and air gap repair
- rotor bearing journals restored to standard
- discharge end and inlet housings
- reground and repaired
- all units are air & vacuum tested
- rotors and shafts are dynamically balanced
- lube analysis
- full service in-house machine shop
- average rebuild time 5-7 days

All units carry a 1 year warranty
Rotating equipment repair and rebuilding service

Through Revak Turbomachinery Services in Houston, Texas, HOERBIGER offers full service turbomachinery repair and rebuilding of steam turbines, compressors, pumps, gearboxes, centrifuges, fans and blowers, turbine-generators and turbine-compressors using OEM or Revak manufactured parts.

Engineered products
- governors (electronic and hydraulic)
- bearings
- actuators
- lube oil pump systems
- turbine trips
- control valves
- instruments

Remanufactured turbines
- from single stage 2 HP units to multi-stage 30,000 HP units
- high megawatt turbine generators
- custom modifications or to OEM specifications
- re-rate steam turbines

Rebuilt compressors
- re-rate virtually any equipment for new service and to meet specific requirements

Turbomachinery repair and rebuilding
- 50 quality steps
- post run bearing checks
- single-stage / multi-stage rebuilt pumps, turbines (most manufacturers)
- rotor removal, manufacture, repair, rebuild and refurbish
- rotor balancing
- reblanding
- turbine & turbine generator rebuilding
- part manufacture & repair
- re-rating, conversion and modification
Shop services

HOERBIGER operates service centers in 26 locations throughout the United States and Canada. Our equipment repairs and upgrades:

- increase compressor reliability
- increase capacity
- reduce horsepower consumption

General services include:
- disassembly / assembly
- cleaning
- magnaflux inspections
- dimensional inspection
- precise tolerance measurements
- CNC machining to precise clearance tolerances
- protective packaging, labeling and tagging
- complete repair report
HOERBIGER has field service personnel deployed throughout the U.S. and Canada who provide quality service, onshore and offshore. They communicate regularly with customers to identify and recommend ways for improving compressor performance.

Our engineers and technicians who work onsite are seasoned veterans of the compressor maintenance business. Most have multiple years of unit-specific experience and understand the unique maintenance requirements for the equipment in which they specialize. Your compressor couldn’t be in better hands when you have a technician who knows the specific failure modes of your compressor model, what parts are required to fix it, knows where to get them, and has performed service on countless similar units.

Field service includes:
- preventive maintenance
- predictive maintenance
- teardowns
- rebuilds
- overhauls
- revamps
- outages

Our field service group is ready and willing to offer you their expert advice on how to make the most of your compressor’s operation.
Compressor analysis services

HOERBIGER has trained compressor analysts who use specialized equipment to analyze the condition of your compressor while it operates. They evaluate component condition and make recommendations about when to schedule maintenance or how to improve its performance.

**Mechanical condition**
- valve leaks
- valve dynamics
- leaking piston rings
- pressure packing leaks
- crosshead knocks
- foundation
- pulsation problems
- rod load
- liner wear

**Performance analysis**
- horsepower
- capacity
- HP/MM

**Recommendations**
Our reports provide you with clear evidence of your compressor’s operating condition and use current and historical performance (where available) to determine an appropriate time frame for maintenance.

Before and after component retrofits, we perform comprehensive analyses to confirm performance improvements. The more we know about your compressor’s application and current operating condition, the better we can improve it.
Streamlined parts procurement

We are aftermarket specialists who can readily identify and source those hard-to-find parts. We have reliable cross-reference lists to ensure the part you need is the one we deliver.

For reciprocating equipment

Compressors and parts
- cylinders, pistons and piston rods
- piston and rider rings
- packing cases & packing rings
- valves and unloaders
- covers and cages
- gaskets & accessories
- bearings, bushings
- crossheads, crosshead pins and shoes

Engines and engine parts
- complete refurbished engines
- high-speed engine exchange program
- cylinders, power pistons and ring sets
- valve seats
- fuel and power valves
- bearings and bushings
- gaskets & accessories

For rotating equipment

- turbomachinery and parts
- compressors
- rotary screws
- gearboxes
- steam turbines
- obsolete and hard to find parts
- turbine exchange program
- complete refurbished units
- all manufacturers
- 12 acres of outdoor surplus

If we don’t have it, we will find it

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If we don’t have it, we will find it
HOERBIGER Service in North America

- 26 convenient locations
- stocked parts, ready to ship
- certified quality repairs
  - all shops are ISO 9001:2000 certified
  - all compressor component repairs, upgrades and retrofits
- capacity control devices
- cooling and lubrication systems
- compressor and engine overhauls
- authorized parts distributor for Ariel

www.hoerbiger.com