



# Diesel Engines

Engine services second to none



  
**Goltens**  
Trusted Globally

# We're part of your engine team

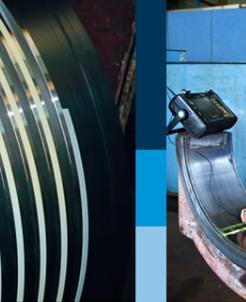
When your main propulsion engine or diesel generator experiences a casualty, fast access to critical repair minimizes off-hire or lost power production. Either way, our diesel services show up at your bottom line.

Profitability and competitive strength are directly linked to a job well done by the engine maintenance team whether it is lead by a chief engineer on a vessel or a plant manager on a stationary power plant. Backing him up, you will often find Goltens. It is all about people. Not just any people, but skilled, multi-talented people.

A small improvement on fuel consumption can make a big difference on the bottom line. Add reduced spare part costs and expert advice on maintenance plans and you have the reason why leading ship owners and power plant operators trust their engines to Goltens.



## Diesel Services



### Industries Served

- Marine
- Stationary power
- Offshore oil & gas

### Engine types served (2 and 4 stroke)

- Propulsion engines
- Auxiliary engines
- Stationary engines
- Generator sets

### Trouble-shooting

Our job often starts with trouble-shooting the root cause of major failures. In this case, there are few companies in the world, if any, that can diagnose, plan and execute restoration from a catastrophic failure all with its own resources like Goltens.

The depth of our capabilities in Diesel engine service and In-Situ machining make us truly unique in the market today.

### On-site repairs and maintenance

Goltens' global presence and depth of resources allows it to mobilize diesel engine teams anywhere in the world to respond to any type of requirement. Performing routine overhauls, troubleshooting performance issues or undertaking the diagnosis and restoration of a catastrophic engine casualty is what we do every day. We also handle new installations and retrofits of engines.

### Crankshaft repairs and replacements

Goltens has 60 plus years as the leader in machining damaged crankshafts (over 25,000 globally) but our experience extends far beyond the grinding and cutting of crankshafts.

Goltens is marine class approved to remove condemned crankshafts in-place through annealing and has a great deal of experience repairing bent or twisted crankshafts. In the unfortunate event the crankshaft is condemned, Goltens' teams are experts at executing replacements in a swift and safe manner.

### In-situ machining

Beyond crankshaft repairs, Goltens' in-situ machinists have the tooling and expertise to undertake any manner of machining required on the engine. The services include: line boring of engines, flange facing of mating surfaces, boring of lower liner sealing surfaces, metal stitching and the removal of broken stud bolts. We can quickly mobilize a wide range of equipment to your vessel or site anywhere in the world, ensuring that it is operational as soon as possible.

### Alignment and chocking

Goltens' in-situ technicians have broad expertise using state-of-the-art laser alignment tools. We do alignment of shafts, sheaves/pulleys and plumb lines and any other equipment where straightness or flatness is critical. To complement this, Goltens offers engine chocking services globally using market leading products like ITW's Chockfast products.

### Workshop repairs

Workshop equipment repair and overhaul in over 20 locations around the world provides our customers an immediate response to their problems. Advanced equipment in capable hands provides a predictably excellent result.

Jobs ranging in size from overhauling an entire engine to fine tuning governors is taken care of with the same dedication. If a part cannot be sourced, our workshops have the tools and personnel to manufacture it.

### Reconditioning of critical parts

Decision makers concerned about downtime and cost always consider reconditioning as an alternative to new parts.

The remaining lifetime of an engine, lead time for new parts and the cost involved are all factors that bring the workshops of Goltens into the picture. Our disciplined processes and machinery enable us to return worn-down parts back to the exact specifications of a new part, with significantly less cost than buying new.

### Rebabbiting of bearings

As white metal bearings wear or fail, the softer babbitt metal erodes creating paths for lubricant between the hard high speed surfaces that provide the actual bearing surface.

By testing adhesion on the backing surface by ultrasound methods and using materials based on manufacturer's specifications, Goltens is one of the few companies able to complete such high tolerance jobs on short notice.

### Supply of spare parts

Beyond reconditioning, Goltens' global network, scale of operations and principal relationships provides us significant access to diesel engine parts from hundreds of internationally renowned manufacturers.

We supply spares for main and auxiliary engines as well as a wide variety of ancillary equipment on the engine and across the engine room. Operators across the globe rely on Goltens for the supply of high quality, cost effective spares to support their operations.



**For any problem in the engine room,  
a call to Goltens is a smart move.**

Diesel engine repair and maintenance is one of the core services of Goltens. Skilled engineers and mechanics with shipyard, OEM, power station and sea going experience know where to look and where to start trouble-shooting. With deep technical and engineering skills, we are able to quickly analyze requirements and get down to completing the job.

As an engine specialist we service and repair a wide range of diesel and gas engines. Routine maintenance and major repairs on all major makes of main and auxiliary engines are our specialty.

Our expertise does not stop with the engine itself but extends to take care of all vital equipment in the engine room. Our capability to cover turbochargers, fuel equipment, governors, alarm systems, automation and controls makes Goltens a leading diesel engine expert and the clear alternative to the OEMs.

[www.goltens.com](http://www.goltens.com)

