

Caterpillar Motoren Engine Reactivation Service

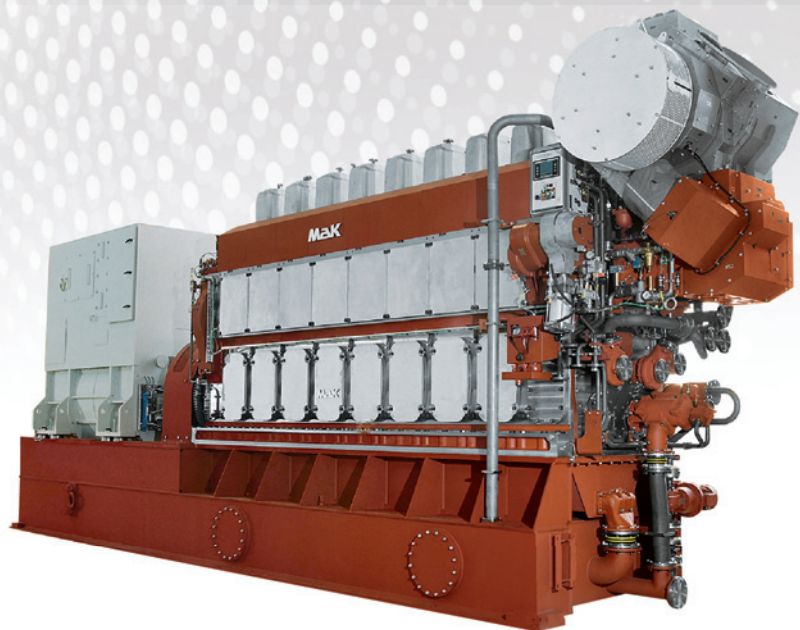
Recommissioning

Introduction

The correct recommissioning of an engine is critical to the successful return to service of a vessel or a power plant.

Despite a professionally performed engine preservation, damage may occur to the engine depending on external influences. If this damage is not detected and repaired, it can lead to major engine damage when the engine is put back into operation. A detailed inspection is essential prior to recommissioning.

For this reason, Caterpillar Motoren offers a highly recommended **Engine Reactivation Service** for its Cat® and MaK™ branded engines to support its customers in the best possible way, during recommissioning of their engines for safe operation.



What are the risks of improper recommissioning?

- Accumulation of water condensation, e.g., corrosion formation
- Accumulation of water due to external feed from exhaust pipes, crankcase vent pipes → danger of water hammering/hydraulic lock
- Invisible bearing damages, e.g., corrosion marks, flat spots
- Cylinder liner corrosion with consequential piston seizures
- Unreliable safety and control systems

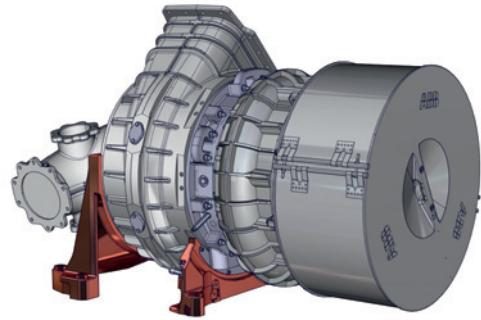
What are the benefits of the MaK engine reactivation service?

- A hassle-free reactivation of the engine
- Avoidance of significant costs due to consequential damage
- Enhanced engine uptime for vessel operation

Engine Reactivation Service

Scope of Caterpillar Motoren reactivation service

- Checking of the general engine condition
- Checking for leakages
- Analysis of fuel, cooling water and oil
- Oil and fuel filter inspection
- Checking of the turbocharger
- Visual inspection of the cylinder heads
- Visual inspection of the combustion chambers
- Adjustment of the valve clearance and the valve bridges
- Visual inspection of the crank train
- Check big end and small end bearings
- Visual inspection of the coupling
- Check of the engine control and safety system
- Genset/Generator (depending on application)



Turbocharger



Duplex Filter



Key deliverables

- Detection and documentation of reliability risks of the main engine
- Service report with clear recommendations for action

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https://www.cat.com/en_US/by-industry/marine/mak-dealer-locator.html

Visit us on Shipped at:

<https://www.shipserv.com/brand/mak>

Check out our MaK LinkedIn page to stay up to date:

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