



Maritime Engineering A/S

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Engine Overhaul

- Work scope 4-stroke engines



We have the below guide for the scope of a general major overhaul. This will be tailored to suit your individual requirements and expectations.

- ★ Main bearing alignment (autolog) before and after the overhaul.
- ★ Cylinder heads to be overhauled.
- ★ Rocker arms and bearings to be inspected.
- ★ Cylinder liners to be measured and honed.
- ★ Pistons to be inspected and measured. Reused with new piston rings if ok.
- ★ Connecting rod big-end bearings to be measured and inspected by microscope.
- ★ Connecting rod big-end to be measured and recorded for ovality.
- ★ Connecting rod small-end bearings to be measured and reused if within tolerance.
- ★ Main bearings to be measured and inspected by microscope, reused if ok.
- ★ Fuel pumps to be overhauled.
- ★ Fuel injectors to be overhauled.
- ★ Inspection of operation gear for inlet valves, exhaust valves and fuel injection pumps.
- ★ Camshaft bearings clearance to be measured and recorded.
- ★ Check anti-vibration mountings.
- ★ Charge air cooler to be dismantled and cleaned in ultrasonic cleaner.
- ★ Engine sump drained and cleaned.
- ★ Lubricating oil pump to be inspected and overhauled if found necessary.
- ★ Cooling water pumps to be inspected and overhauled if found necessary.
- ★ Governor replacement.
- ★ TC cartridge and nozzle ring to be replaced with reconditioned.
- ★ Engine performance reported after the overhaul.



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