MAN Alpha
Propeller Maintenance Concept
Type VBS
5 and 10 Year
propeller maintenance for type VBS propellers

To ensure the long-term peak performance and reliability of your MAN Alpha propeller and Alphatronic propulsion control system – MAN Diesel & Turbo can now offer an extended package with after-sales services for new and existing systems

**Maintenance concept**
The service package will typically include our standard propeller maintenance performed in connection with the 5 and/or 10 year inspections – in accordance with the docking periods recommended by the classification societies.

**5-year package**
- A 5-year package includes control of the entire cp propeller system, with focus on the mechanical, hydraulic and electrical key parameters
- Blade seals and filters will be exchanged
- Tolerances on wearing parts will be control-measured and recorded
- Guidance for the remaining lifetime will be given
- A recommended spare part kit is prepared and available for quick delivery.

**10-year package**
- A 10-year package additionally includes an extended inspection and overhaul of the entire propeller hub
- Wearing parts will be control-measured and recorded
- Guidance for the remaining lifetime will be given
- Also here a recommended spare part kit is available for quick delivery.
A Maintenance Concept
tailored to your operational needs

The extent of our service and scope of inspections are performed according to MAN Diesel & Turbo’s accumulated experience and durability recommendations to the classification societies

Customer advantages
Example of parameters checked:

Hydrodynamic
Blade surface, possible cavitation marks or impact damages. Blade shape, via 3-point geometrical measurements.

Mechanical
Clearance measurements of propeller hub, blade feet, pitch control head. Exchange of blade seals.

Hydraulic
Check of servo-oil system and exchange of high-pressure hoses. Leak-test of hydraulic connections and the hub. Performance test of the OD-Ring, and re-adjustment of the hydraulic system.

Electrical
Adjustment and upgrade of pitch feed-back system. Control of manoeuvre system response time. Check of remote, local and emergency manoeuvres.

Customer benefits and documentation
- Parts available via standardised kits
- Optimal service and overhaul planning
- Certificate and measuring reports supplied
- Maximum reliability between scheduled dockings
- Optimised operational economy
- Service cost transparency.
Safe and Accurate Propulsion Control
from your finger tips to the propeller tips