

Pan vour

MAN PrimeServ

Propeller Maintenance Concept for MAN Alpha CPPs type VB

5 and 10 year

Propeller maintenance

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

Maintenance concept - VB

The service package will typically include our standard VB 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.

10-year package

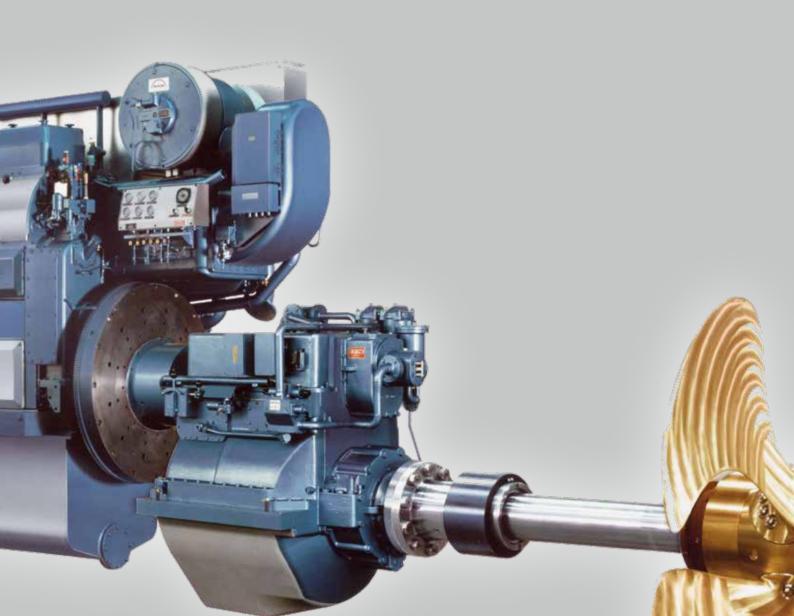
- A 10-year package additionally includes an extended inspection and overhaul of the entire propeller hub.
- Wearing parts will be control-measured and recorded.
- Guidance for the remaining lifetime will be given.

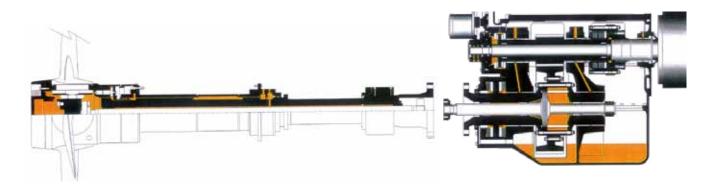




A Maintenance Concept

Tailored to your operational needs







VB propeller with servo in gearbox (above)

VB/VSA propeller with servo in shaftline (left)



The extent of our service and scope of inspections are performed according to MAN Energy Solutions' accumulated experience and durability recommendations to the classification societies.

Customer advantages

Example of parameters checked:

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Hydrodynamic

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

Mechanical

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

Hydraulic and pitch control

Check of gearbox or shaft servo-oil system and stern tube sealing. Performance test of the pitch control, and re-adjustment pitch control movement.

Electrical

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

Customer benefits and documentation

- Optimal service and overhaul planning.
- Certificate and measuring reports supplied.
- Maximum reliability between scheduled dockings.
- Optimized operational economy.
- Service cost transparency.



Safe and accurate propulsion of the second s



From your finger tips to the propeller tips

Final PMC functionality test

Alphatronic control system

Test of pitch manoeuvring functions from Bridge, Engine Control Room and local emergency control on gear or servo unit.



MAN PrimeServ Service with passion

hours a day

days a year

665

MAN PrimeServ is the dedicated MAN Energy Solutions service brand. Via a network of over 100 service centers worldwide, MAN PrimeServ provides 24/7 service across the globe. Our range of services includes technical support, consulting and OEM spares, as well as maintenance, repair and individualized service plans like our PMC, Propeller Maintenance Contept.

MAN PrimeServ's aim is to provide

- Prompt delivery of high-demand OEM spare parts within 24 hours
- Fast, reliable and competent customer support
- Individually tailored O&M contracts
- Ongoing training and qualification of operators and maintenance staff
- Global service, 24 hours a day,
- 365 days a year
- Diagnosis and troubleshooting with our MAN PrimeServ Assist online

Worldwide Service

We offer retrofitting and upgrade services to bring propellers, propulsion systems, engines and turbochargers already in service up to the very latest standards of performance and efficiency.

Using the latest digital technology, we enable you to maximize the performance and availability of your MAN equipment by accessing real-time data analysis, remote support and rapid solutions. We also offer an extensive range of training courses at MAN PrimeServ academies around the world.

Our service does not vary according to location. We know that a vessel may be built in Asia, operated in Europe for ten years and then move to Africa for the next ten years. That does not alter our focus on fast delivery of strategic spare parts, a comprehensive approach, or our tailored maintenance plans like the PMC.

For more information please visit www.man-es.com/primeserv



MAN PrimeServ

MAN Energy Solutions

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