



MAN B&W ENGINE SERVICES

We keep your engines running

COMPANIES

CROATIA*
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BULGARIA*
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Constanta

TURKEY
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SLOVAKIA
Bratislava

BALTICS
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CHINA
Shanghai

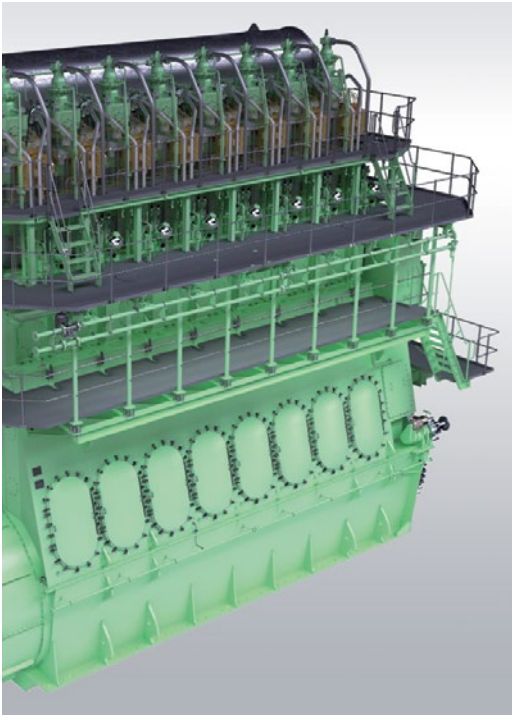
PBM GROUP

CONTACT
sales@pbm.hr



- Marine/industrial engines and engine control systems specialists
- Woodward Authorized Independent Service Facility [AISF]*
- ISO9001:2015 certified, Lloyd's Register Quality Assurance

MAN B&W ME-C ENGINES



ME-C PACKAGE	SEMI	FULL
FIVA Valve Inspection, Overhaul, Test on Test Stand	✓	✓
FIVA Valve Onboard Verification	✓	✓
HPS Basic Maintenance - Gear-driven HPS pumps replacement with new/reconditioned - Accumulators - Hydraulic Hose Replacement	✓	✓
HCU Basic Maintenance - Fuel Oil Pressure Boosters - Exhaust Valve Actuators - Cylinder Lubricators - Accumulators	✗	✓
Tacho System Basic Maintenance	✓	✓

ME-C OPTIONAL

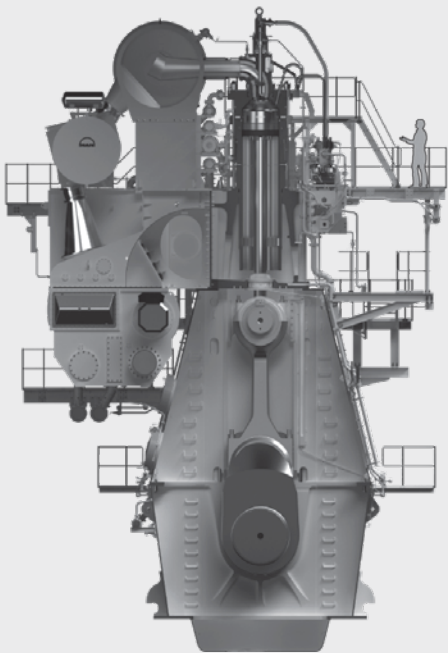
- ▶ Gear-driven HPS pumps upgrade HS3 to HS4
- ▶ Tacho System Maintenance and Overhaul
- ▶ Tacho System General Inspection and Function Tests
- ▶ Engine Control System General Inspection and Function Test
- ▶ Electrical System Basic Inspection

MAN B&W ME-B ENGINES

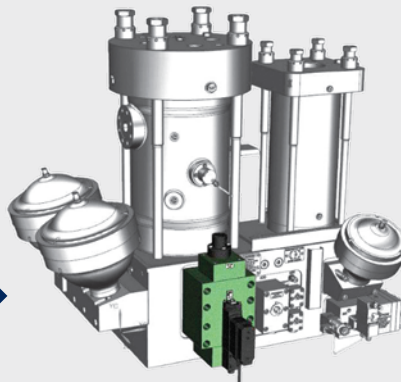
	ME-B PACKAGE	FULL	ME-B OPTIONAL
	ELFI Valve Inspection, Overhaul, Test on Test Stand	✓	<ul style="list-style-type: none"> ▶ ELVA Maintenance ▶ Electrical System Basic Inspection ▶ HPS Distribution Block Control Valve Replacement and Adjustment ▶ Exhaust Valve Actuator Maintenance
	ELFI Valve Onboard Verification	✓	
	HPS Basic Maintenance <ul style="list-style-type: none"> - Motor-driven HPS pumps replacement with new/reconditioned - Accumulators - Hydraulic Hose Replacement 	✓	
	HCU Basic Maintenance <ul style="list-style-type: none"> - Fuel Oil Pressure Boosters - Cylinder Lubricators - Accumulators 	✓	
	Tacho System Basic Maintenance	✓	

Performance and efficiency of electronically controlled engines strongly depends on FIVA/ELFI performance.

MAN B&W ME-B/C ENGINES



HYDRAULIC CYLINDER UNIT



HCU SERVICES

- Fuel Oil Pressure Boosters overhaul
- Exhaust Valve Actuator overhaul
- FIVA/ELFI overhaul
- Cylinder Lubricator overhaul
- Accumulator overhaul and recharging
- Distributor Block cleaning

FIVA/ELFI VALVE



FIVA/ELFI SERVICES

- Inspection
- Testing on Test Stand
- Overhaul
- Proportional Directional Control Valve replacement



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