Propeller Repair
Cost-efficient straightening and welding

MAN Diesel PrimeServ Frederikshavn offers high-quality OEM repair solutions to damaged propeller equipment

Propeller blade straightening
- Heat straightening of blades according to classification standards
- Crack control of blade and blade flange by authorised personnel
- Grinding including weight/moment control
- Complete 3D measuring – compared to original drawing dimensions
- Final result where the original optimal propeller performance is recovered

Blade and hub welding
- Propeller blade tip renewal
- Welding of extra material
- Blade edge welding and finish grinding
- Crack repairs
- Propeller hub repairs

Contact us via e-mail:
Servicecenter-frh@mandieselturbo.com – for a proposal tailored to your equipment.
Propeller Repair
OEM solutions including class approval

Propeller blade control
When a propeller blade is received by MAN PrimeServ Frederikshavn, it will be cleaned and checked from flange to tip, for cracks and surfaces requiring machining. The following complete 3D measuring of the blade will be compared to the original drawing dimensions.

Machining of propeller blade
Machining of blade flanges and grinding of blade profiles are performed by skilled, experienced specialist personnel – supported by the expertise from our own Alpha propeller design and construction department.

Safe and efficient handling
Our trained service engineers are available for safe dismantling and fitting of the blades at site.

New heat straightening procedure
We use the advanced Induction Heating method for accurate temperature and material structure control in the 700 - 900°C range. This procedure has been chosen to avoid microscopic cracks and stress of the material.

Intermediate control
Control measurements on the blade will be carried out several times during the straightening procedure – and recorded.

Final control
Before shipment and delivery from the MAN PrimeServ site, the blades will be crack controlled, inspected and approved by the classification society.