

Service Record Book



MAN-Marine Diesel Engines
for commercial shipping



Dear Customer,

Congratulations on your decision to equip your new boat with MAN marine Diesel engines. These engines boast top performance and operational reliability while requiring only a minimum of maintenance. However, to ensure faultless operation, some checks and maintenance work are necessary at regular intervals.

This handbook provides an overview of all specified maintenance work.

Service work has to be carried out on the basis of operating hours clocked up according the checklists (pages 7 and following) by MAN-authorized workshops.

To make it easier for you to handle your new engine system correctly, the following publications are on board the boat:

- Operating Instructions (one for each engine)
- Fuels, Lubricants, Coolants for MAN Diesel Engines (one for each engine)
- Spare-parts catalogue (one for each engine)
- List of service points (one per boat)
- Service record book (one per boat)

We shall be pleased to answer your questions on aspects which cannot be clarified with these publications. When submitting an enquiry, please always indicate **the 14-digit engine number** which you can find on the form "General data" **on page 3**, on the model plate on the engine or in the documents from your shipyard.

Yours faithfully,

MAN Nutzfahrzeuge Aktiengesellschaft
Nuremberg Works

We reserve the right to make technical modifications in the course of further development.

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Name and address of owner	
Data on drive system	
Engine model:	Output in kW:
Works number:	Date of commission:
Engine number Port engine:	rpm (as tested)
Engine number Center engine:	rpm (as tested)
Engine number Center engine:	rpm (as tested)
Engine number Starboard engine:	rpm (as tested)
Gearbox Make / model	
Name of MAN agent, Date, Signature:	
Boat details	
Boat type:	
Boat name:	
Boat number, Year of construction:	
Place and date of 20-60 hour service:	



Execution of maintenance work on the basis of operating hours clocked up and chronological intervals

General notes on the execution of service work

All service work to be routinely performed for up to 10 000 operating hours as well as after 2 respectively 4 years is listed below.

Please note that service work must only be carried out by MAN-authorised workshops.

At each service the MAN-authorised workshop will confirm with stamp and signature that the work as per checklist has been carried out correctly.

It must be ensured that all entries are complete, correct and legible.

After each service the maximum engine speed (max. boat speed) which can be achieved under load is to be ascertained in a trial run. This engine speed ought not to be below the rated speed (see model plate). This test is to be regarded as proof of maximum engine output.

Remarks on work and / or repairs deemed necessary or performed may also be noted down.

The service after 20-60 operating hours

This first service is imperative.

In the context of the first maintenance the form “General data” on page 3 is to be filled in by the MAN-authorised workshop.



General:

- Exchange worn seals.
- Tighten screwed connections for which tightening torques are specified (see “Service Data”), always using a torque wrench.
- Clean removed parts before refitting them, and check them for damage unless exchange is mandatory.

When checking the engine oil level or changing the engine oil

- The procedure for changing engine oil and oil filters is described in the Operating Instructions in the chapter “Maintenance and care”.
- Keep vicinity of filler orifices and of dipsticks clean, so that no dirt can get into the oil pan.
- **Caution:** Do not fill up with oil beyond the max. notch on the dipstick. **Overfilling causes damage to engine.**
- If loss of oil is due to leaks, ascertain and eliminate cause.

When checking the coolant level

- Top up with missing quantity of fluid, ensuring that the concentration of the antifreeze / anti-corrosion agent is correct (see Operating Instructions, chapter “Maintenance and care” and the publication “Fuels, Lubricants, Coolants for MAN Diesel Engines”).
- Ascertain and eliminate cause of loss of coolant.

When changing the coolant

- Drain and fill up with coolant and bleed cooling system as described in the Operating Instructions, chapter “Maintenance and care”.
- For antifreeze / anti-corrosion agents see publication “Fuels, Lubricants, Coolants for MAN Diesel Engines”.

When checking for leaks of oil, coolant and fuel

- Carry out visual check of engine exterior (crankshaft, cylinder heads etc.) for emergence of oil.
- Carry out visual check of all fluid-containing parts (reservoirs, pipes, hoses) for leaks.
- Carry out visual check of pipes and hoses to see whether they are correctly routed or show chafing marks.



Danger:

Observe safety instructions in Operator’s Manual!