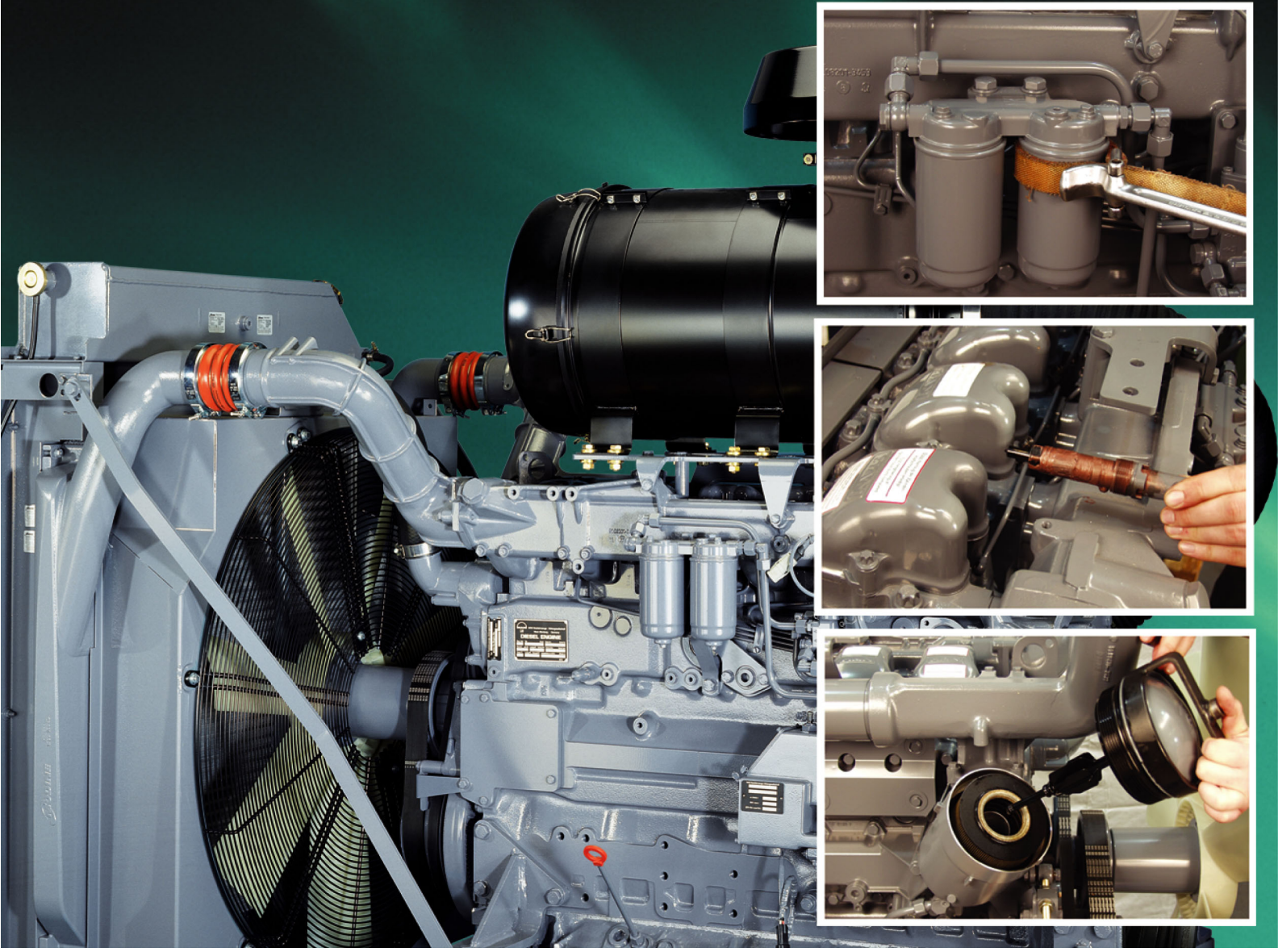


Service Record Book



MAN Industrial Diesel Engines



Dear Customer,

Congratulations on your decision to purchase a MAN Diesel engine. 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 11 and following) by MAN-authorized workshops.

To make it easier for you to handle your new engine correctly, the following publications are available:

- Operating Instructions
- Fuels, Lubricants, Coolants for MAN Diesel Engines
- Spare-parts catalogue
- Service record book

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** or on the model plate on the engine.

Yours faithfully,
MAN Nutzfahrzeuge Aktiengesellschaft
Nuremberg Works

Since our products are in continuous development, we reserve the right to make technical modifications.

© 2005 MAN Nutzfahrzeuge Aktiengesellschaft
Reprinting, copying or translation, even of extracts, is not allowed without written permission from MAN.
All rights under the copyright law are strictly reserved by MAN.



Notes

A series of horizontal dotted lines for writing notes.

**Name and address of owner**

--

Data on engine

Engine model:	Output in kW:
Works number:	Date of commission:
Engine number:	Engine speed in rpm:

Name of MAN agent:

Data on drive system

Type of drive system (e.g. generator, pump):
Construction number, year of construction:
Place and date of 20-60 hour service:



Notes

A series of horizontal dotted lines for writing notes.

General notes

Please note that servicing must only be carried out by an authorised MAN workshop.

After each service the workshop will confirm that the work has been correctly carried out to checklist by stamping and signing the service booklet.

Care should be taken that all entries are complete, correct and legible.

A trial run is to be made after each service.

Notes about work and/or repairs that seem to be necessary or have been carried out can also be recorded.

Servicing for engines in continuous operation (> 3000 h / a) and in peak load operation (< 3000 h / a)

These engines are regularly serviced every 200 operating hours. Apart from this the screw cap on the cooling system and the coolant are to be changed every 2 and 4 years respectively.

All servicing which must be carried out up to 10 000 operating hours and the regular servicing after 2 or 4 years are listed from page 9.

Servicing for engines for standby operation

These engines generally run for only a few operating hours annually. Servicing is therefore to be carried out each year.

All servicing that must be regularly carried out up to 10 years is listed from page 115 onwards.

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.

**Danger:**

This refers to working and operating procedures which must be complied with in order to rule out the risk to persons.

**Caution:**

This refers to working and operating procedures which must be complied with in order to prevent damage to or destruction of material.

**Note:**

Explanatory descriptions which help in understanding the relevant work or operating procedure to be carried out.

Assembly of pipes

**Danger:**

No pipes may be bent. Risk of breakage!

Fitting flat seals / gaskets

Gaskets are frequently used with sealants or adhesives as an aid to assembly or to achieve a better seal. Above all when parts with different levels of thermal expansion (e.g. aluminium and cast iron) are bonded, this can mean that the gasket is shifted during operation by the so-called stitching or sewing machine effect and leaks occur.

Example: The cap of the front crankshaft seal. If a sealing agent or an adhesive is used here the flat seal will move inwards in the course of time as a result of the different expansion rates of the materials. Oil will be lost, for which the shaft seal may be thought to be responsible.

Perfect assembly of gaskets can only be achieved if the following instructions are adhered to:

- Use only genuine MAN seals / gaskets.
- The sealing faces must be undamaged and clean.
- Do not use any sealing agent or adhesive – as an aid to fitting the seals a little grease can be used if necessary so that the seal will stick to the part to be fitted.
- Tighten bolts evenly to the specified torque.

Assembly of round sealing rings

- Use only genuine MAN round sealing rings.
- The sealing faces must be undamaged and clean.
- Always wet round sealing rings with engine oil before fitting them.

Extent of warranty

MAN warrants that within the period of the warranty all D 08 and D 28 engines components identified as being faulty will, at MAN's discretion, be either replaced or repaired, the warranty conditions being decisive for this.

Repairs

For execution of the necessary work the customer has to

- grant the necessary time and opportunity,
- provide at his own expense helpers, machinery and equipment and carry out secondary work,
- perform at his own expense any work above and beyond the original extent of the order.

Depending on the kind of damage, MAN will assume to a reasonable amount both the travelling expenses arising for authorised service technicians and the necessary dispatch costs for spare and replacement parts. Extra costs in connection with particular travelling and dispatch expenses are to be borne by the customer. Repairs will be performed within normal, regular working hours. Extra costs for work outside regular working hours are to be borne by the customer.

The warranty does not include

- the exchange of wearing parts such as filters, V-belts and service products (oil, antifreeze and anti-corrosion agents),
- the costs of the execution of the normal service work to be carried out at regular intervals,
- damage resulting from the use of unsuitable service products or from improper handling / operation,
- indirect costs of loss of use, of loss of time, of expenses for board and lodging, of freight charges, of fuel and of all other consequential costs which may be incurred in connection with warranty cases,
- any damage which arises if the "Installation instructions for industrial diesel engines" are disregarded.



Notes

A series of horizontal dotted lines for writing notes.

Engines for continuous operation



Notes

A series of horizontal dotted lines for writing notes.



In addition to the service on the basis of operating hours clocked up the following maintenance work according to chronological intervals are necessary:

Checklist for maintenance work

Changing of	Changed (= x) after years				
	2	4	6	8	10
Both valve caps on expansion tank					
Coolant	////		////		////

Service work carried out after 2 years:

.....
 Place: _____ Date _____ Stamp / signature _____

Service work carried out after 4 years:

.....
 Place: _____ Date _____ Stamp / signature _____

Service work carried out after 6 years:

.....
 Place: _____ Date _____ Stamp / signature _____

Service work carried out after 8 years:

.....
 Place: _____ Date _____ Stamp / signature _____

Service work carried out after 10 years:

.....
 Place: _____ Date _____ Stamp / signature _____



Notes

A series of horizontal dotted lines for writing notes.



Checklist for the maintenance work

20-60

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop.

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

200

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

400

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Retightening of cylinder head bolts (D 28 engines only)	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

600

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

800

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Service after 800 operating hours

Remarks:

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....



Checklist for the maintenance work

1000

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Fuel filter	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

1400

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

1600

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

1800

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Service after 1800 operating hours

Remarks:

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....



Checklist for the maintenance work

2000

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Fuel filter	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

2200

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Service after 2200 operating hours

Remarks:

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....



Checklist for the maintenance work

2400

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....

Place Data Stamp / Signature



Checklist for the maintenance work

2600

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the separately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....

Place Data Stamp / Signature

Checklist for the maintenance work

2800

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....

Place	Date	Stamp / Signature
-------	------	-------------------



Checklist for the maintenance work

3000

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Fuel filter	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

3400

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Service after 3400 operating hours

Remarks:

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....



Checklist for the maintenance work

3600

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
Place

Data

Stamp / Signature



Checklist for the maintenance work

3800

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

4000

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt idler pulley, replacing if necessary	
V-belt tension, retightening if necessary V-belt(s)	
Clearance of engine water pump bearing	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Fuel filter	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

4200

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

4600

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

4800

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

5000

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Fuel filter	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

5200

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

5400

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
Place Data Stamp / Signature



Checklist for the maintenance work

5600

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

5800

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the separately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

6000

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Injectors, replacing if necessary (see following page)	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Fuel filter	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
Place

Data

Stamp / Signature



Opening pressure of injection nozzles

Cylinder	Opening pressure	Remarks (tightness, jet pattern)
1	bar	
2	bar	
3	bar	
4	bar	
5	bar	
6	bar	
7	bar	
8	bar	
9	bar	
10	bar	
11	bar	
12	bar	

Remarks:

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....



Checklist for the maintenance work

6200

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

6400

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....

Place Data Stamp / Signature



Checklist for the maintenance work

6600

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the separately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
Place

Data

Stamp / Signature



Service after 6600 operating hours

Remarks:

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....



Checklist for the maintenance work

6800

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

7000

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Fuel filter	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

7200

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
Place

Data

Stamp / Signature



Checklist for the maintenance work

7400

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

Place Data Stamp / Signature



Checklist for the maintenance work

7600

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Service after 7600 operating hours

Remarks:

Multiple horizontal dotted lines for writing remarks.

Checklist for the maintenance work

7800

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
Place

Data

Stamp / Signature



Checklist for the maintenance work

8000

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt idler pulley, replacing if necessary	
V-belt tension, retightening if necessary V-belt(s)	
Clearance of engine water pump bearing	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Fuel filter	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the separately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Ort Datum Stempel / Unterschrift



Checklist for the maintenance work

8200

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Service after 8200 operating hours

Remarks:

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....



Checklist for the maintenance work

8400

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

8600

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the separately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Service after 8600 operating hours

Remarks:
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....



Checklist for the maintenance work

8800

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
Place

Data

Stamp / Signature



Checklist for the maintenance work

9000

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Fuel filter	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
Place

Data

Stamp / Signature



Checklist for the maintenance work

9200

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

9400

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

9600

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

9800

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil *	
Engine oil cartridge(s) *	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

* not when using high-performance engine oil

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

10 000

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Compression (see following page)	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Fuel filter	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective number of operating hours has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop. **In addition please note the seperately listed maintenance work in chronological intervals, see page 11.**

Service done by

.....
 Place Data Stamp / Signature



Compression pressures of cylinders

Cylinder	Compression pressure	Remarks
1	bar	
2	bar	
3	bar	
4	bar	
5	bar	
6	bar	
7	bar	
8	bar	
9	bar	
10	bar	
11	bar	
12	bar	

Remarks:

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

Engines for standby operation



Notes

A series of horizontal dotted lines for writing notes.



Checklist for the maintenance work

1 year

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Retightening of cylinder head bolts (D 28 engines only)	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective operating time has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop.

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

2 years

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Fuel filter	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Both valve caps on expansion tank	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective operating time has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop.

Service done by

.....
 Place Data Stamp / Signature



Service after 2 years

Remarks:

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....



Checklist for the maintenance work

3 years

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective operating time has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop.

Service done by

.....
 Place Data Stamp / Signature



Service after 3 years

Remarks:

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....



Checklist for the maintenance work

4 years

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Injectors, replacing if necessary (see following page)	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Fuel filter	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Both valve caps on expansion tank	
Coolant	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective operating time has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop.

Service done by

.....
 Place Data Stamp / Signature



Service after 4 years

Opening pressure of injection nozzles

Cylinder	Opening pressure	Remarks (tightness, jet pattern)
1	bar	
2	bar	
3	bar	
4	bar	
5	bar	
6	bar	
7	bar	
8	bar	
9	bar	
10	bar	
11	bar	
12	bar	

Remarks:

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....



Checkliste für die Wartungsarbeiten

5 years

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective operating time has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop.

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

6 years

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Fuel filter	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Both valve caps on expansion tank	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective operating time has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop.

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

7 years

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective operating time has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop.

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

8 years

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Injectors, replacing if necessary (see following page)	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Fuel filter	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Both valve caps on expansion tank	
Coolant	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective operating time has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop.

Service done by

.....
 Place Data Stamp / Signature



Service after 8 years

Opening pressure of injection nozzles

Cylinder	Opening pressure	Remarks (tightness, jet pattern)
1	bar	
2	bar	
3	bar	
4	bar	
5	bar	
6	bar	
7	bar	
8	bar	
9	bar	
10	bar	
11	bar	
12	bar	

Remarks:

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....



Checklist for the maintenance work

9 years

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective operating time has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop.

Service done by

.....
 Place Data Stamp / Signature



Checklist for the maintenance work

10 years

Checking of	Checked = x / Data
Engine exterior for loss of oil and coolant	
Coolant level	
Concentration of antifreeze / anti-corrosion agents	
Engine oil level	
Engine alarms, emergency stop device, overspeed protection	
Functioning of instruments	
Coolant preheating, function, setting	
Coolant hoses for leaks	
Fuel lines for leaks	
V-belt tension, retightening if necessary V-belt(s)	
Draining water from auxiliary fuel filter	
Valve clearance, setting if necessary	
Water hose clamps, pipe connections and bolts for security, retightening if necessary	
Changing of	
Engine oil	
Engine oil cartridge(s)	
Fuel filter	
Servicing the air cleaner (earlier if severe operating conditions demand it)	
Both valve caps on expansion tank	
Cleaning of	
Fuel pre-filter	
Test run	
done	

Once the respective operating time has been clocked up, the aforementioned maintenance work is to be carried out by an MAN-authorized workshop.

Service done by

.....
 Place Data Stamp / Signature



Service after 10 years

Remarks:

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....



MAN Nutzfahrzeuge AG
Business Unit Engines
Vogelweiherstraße 33
D-90441 Nürnberg

A member of the MAN Group

Printed in Germany

51.99597-8007