
Instructions

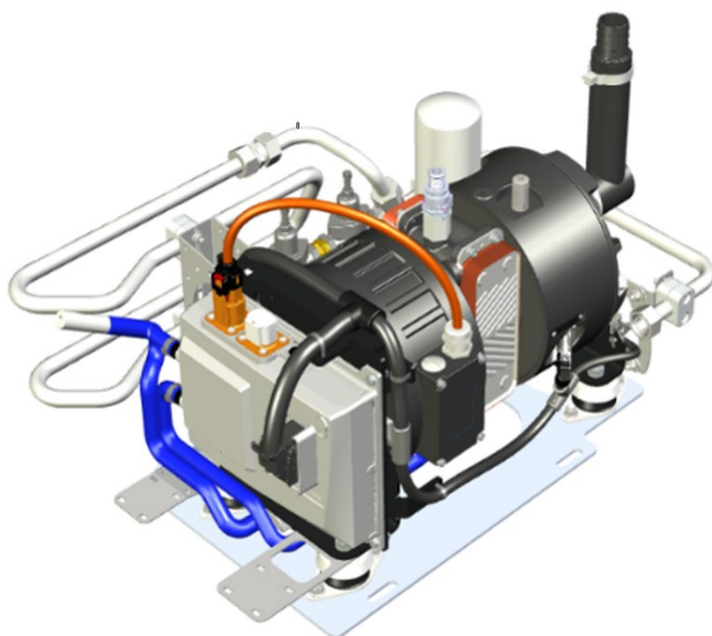
Maintenance of the Gardner Denver TX02 compressor

Translation of the document

Editor

Designwerk Technologies AG

www.designwerk.comMember of the Volvo Group

**Validity**

This document is only valid for the products listed in the following table:

Type	Model	Version
E-TRUCK	HIGH CAB / MID CAB / MID CAB X / LOW CAB with TX02 compressor	V2.X

Richtzeit

Richtzeit für die in dieser Anleitung beschriebenen Arbeiten: 40 min

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1 Safety regulations and information

1.1 Foreword

This document serves as a guide for the maintenance of the Gardner Denver TX02 compressor.

1.2 Designwerk service portal

The following documents are available for download on the Designwerk service portal:

	Safety instructions and warnings	DW_009BAISIH
	List of abbreviations	DW_009BAIAKV
	Designwerk Imprint	DW_009BAIIPM

1.3 Required material

Designation	Quantity	ET number
Compressor oil HPO-198 (Vane Oil)	1,25 l	501943 (5 l can)
Primary air filter	1	108516
Secondary air filter	1	108604
Service Kit	1	108380
O-ring for drain and fill plug	(3)	(108601)
Oil separator	(1)	Only available in a kit
Oil filter	(1)	Only available in a kit
Removal tool - 15 mm combination wrench or ratchet		
Strap wrench		
Torque wrench and 15 mm socket 23 Nm		

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2 Reference images



1	Compressor stage	2	Air intake
3	Oil fill plug 23 Nm	4	Oil separator (service kit)
5	Oil filter (service kit)	6	Oil drain plug 23 Nm
7	Air outlet	8	Service kit
9	3 x O-ring (service kit) 2 required	10	Primary air filter
11	Secondary air filter		

3 Oil draining / filling and replacing the oil filter

CAUTION



If the compressor was in operation before maintenance, the compressor oil will be hot. The oil remaining in the compressor after draining can reduce the service life of the new HPO-198. Do not overfill the tank and do not mix different oils.

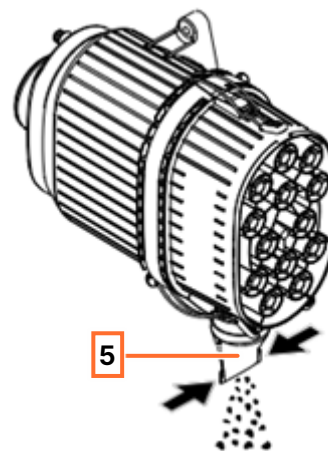
- 1 Switch off the vehicle, remove the ignition key and keep it in a safe place so that the compressor cannot be switched on again during maintenance work.
- 2 Carefully unscrew the oil fill plug (3).
- ! - If air or oil escapes before the plug is completely removed, **STOP!**
Do not remove the plug until the pressure has been completely released.
Removing the oil fill plug allows air to flow in when draining the oil.
- 3 Place a container approx. 5 l under the oil drain plug, unscrew the oil drain plug (6) and the seal under the compressor and allow the old oil to drain out.
- 4 Remove the old oil filter (5) with a strap wrench.
- 5 Fit the new oil filter (5) by applying a film of oil to the sealing ring, turn by hand until the ring is in place, then tighten by a further 1/2 to 3/4 turn.
- 6 Fill the compressor up to the overflow with new HPO-198.
Refit the oil fill plug (3) and the new O-ring (9) (23 Nm).
The oil drain plug only needs to be replaced if it is badly worn or damaged.
Dispose of the used compressor oil in accordance with local guidelines and regulations.
- 7 Ensure that the work area is clean and free of compressor oil.

3.1 Replacing the oil separator

- 1 Remove the old oil separator using a strap wrench.
- 2 Install a new oil separator, apply a film of oil to the seal, turn by hand until the seal is in place, then tighten a further 1/2 to 3/4 turn.

3.2 Replacing the two air filters

- 1 Remove the primary air filter and the secondary air filter.
Clean the housing with a damp cloth and fit new filters.
- i The installation positions vary greatly depending on the vehicle type and body.
- 2 Squeeze the dust discharge valve (5) on the wide side to open the sealing lips and remove the separated dust.



1	Air filter on a Low Cab dismantled	2	Air filter cover
3	Primary air filter	4	Secondary air filter
5	Dust discharge valve		

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