

GMK 5180-1, 5200-1, 5250L (-1), GMK 5250XL-1
Mercedes T4F / E3a engine
Maintenance Kit P/No 04165132

Grove congratulates you for purchasing maintenance kits. Good maintenance at the right time will make a difference in the daily reliability and long-term life of your GMK. We offer this guide to help you select and utilize these kits efficiently.

Should you have any feedback or questions regarding maintenance kits, please contact Grove Product Support.

Crane reference table

Crane model	Engine		Crane S/No start	Maintenance Manual	1000h or 2000h kit P/No
GMK 5180-1	Mercedes	T4F	5180 5001	3 302 935/6	04165132
		E3a	5180 6001		04165132
GMK 5200-1	Mercedes	T4F	5200 5501	3 302 746	04165132
GMK 5250L	Mercedes	T4F	5250 5001	3 302 744	04165132
		E3a	5250 6001		04165132
GMK 5250L-1	Mercedes	T4F	5250 5501	3 302 870/1	04165132
GMK 5250XL-1	Mercedes	T4F	5250 8501	3 302 965/6	04165132

The kits basically follow the maintenance plans as shown in chapter 5 of the Maintenance manual. Please refer to this for further details and requirements.

There may appear to be some discrepancies with the part numbers given in the Maintenance manual compared to those in the kit. The kit contains the latest recommendations, where any updates are a function of our continuous improvement.

Consider additional maintenance items when completing, Y3, Y5, Y6 or Y10 intervals, such as transmission oil and filter, hoist inspection, slewing sensor, cable drums etc. – please refer to the Maintenance manual for more details.

Kit contents

03134932	Super hydraulic oil tank breather	1
04362244	Chassis hydraulic oil filter 3 & 4, angle drive oil filter	3
03142356	Super hydraulic oil filter 2	1
03142360	Chassis hydraulic oil tank breather	1
03249527	Super hydraulic oil filter 3	1
03329152	Chassis hydraulic oil filter 1 & 2	2
04362245	Super hydraulic oil filter 1	1
04157573	Chassis cab pollen filter	1
04286260	Filter, air dryer	1
04362012	Fuel filter 1 & 2 kit	1
04326198	Either: Chassis engine oil filter (first engines - felt seal)	1
04286399	Or: Chassis engine oil filter (later engines - o ring flange)	1
04241120	Super cab pollen filter	1

04241159	Main air filter element	1
04241160	Safety air filter element	1

00117125	Sealing ring (slewing gear)	3
00117132	Sealing ring (slewing gear)	3
00117134	Seal (transfer case)	6
00117145	Seal (axle center drives, final drives, transmission)	2
00117151	Seal (axle center drives, transfer case, angle drive)	6
01371208	Seal (axle center drive)	1
03135778	Gasket set (chassis hydraulic oil filter 1 & 2)	2
03135867	Gasket set (chassis hydraulic filter oil 3 & 4)	2
03326049	Seal kit (super hydraulic oil filter 2)	1
04161531	Seal (engine oil drain)	1
04165792	Seal kit (super hydraulic oil filter 1)	1
04181265	Seal (final drives)	8
04285988	Seal kit (super hydraulic oil filter 3)	1

Note*: two versions of the engine oil filter were used by Mercedes. The cost of only one of these filters is included, please use as appropriate and suitably dispose of the other one.

Additional maintenance items (not in the kit)

DEF (Ad-Blue) Filter kit:

1x P/No 04158759 is required for the 2000 hour / Y2 maintenance interval. Please order this additionally, as required.

Oil condition analysis:

As part of the annual maintenance, you should take a sample from the hydraulic system (chapter 7 of the maintenance manual) to determine the condition of the hydraulic oil. We recommend our oil analysis kit, which is available under part number 03141012. The kit contains: an oil sample bottle, oil description form (to be completed) and return envelope. The price of this kit includes laboratory analysis of the sample and report.



Oils and Greases

Many oils and greases will be available locally to you, we strongly recommend that the specifications given in chapter 6 of the Maintenance manual be followed when selecting any equivalents. These oils and greases have no equivalent and should be ordered from our Parts Department, as required:

- Sliding surface 'BOOM GREASE Plus'
 - 400 gr. cartridge for spray gun P/No **04299656**
 - 400 gr. cartridge P/No **04299657**
 - 10 kg can P/No **04299654**
 - 25 kg bucket P/No **04299655**
- Cylinder rod corrosion protection (400ml spray) P/No **01929824**
- Boom pinning 'BOLT GREASE 2.0' (400g cartridge) P/No **03313195**

- Suspension lubricant (1-liter bottle) P/No **02310863**, (10-Liter) P/No **02312890**
- Turntable bearing gear teeth adhesive grease (400ml spray) P/No **S-01032-63**
- Central lub. system, cardan shafts etc. high graphite, wide temperature Universal grease (1kg can) **04163374**

Suspension pressure accumulators

To perform the check of nitrogen pressure in the accumulators as explained in the Maintenance manual, we offer a test kit P/No 02257617 (gas bottle adapter and pressure regulator also required). Reference service bulletin SB D20-311 'Accumulator Charging Kit'.

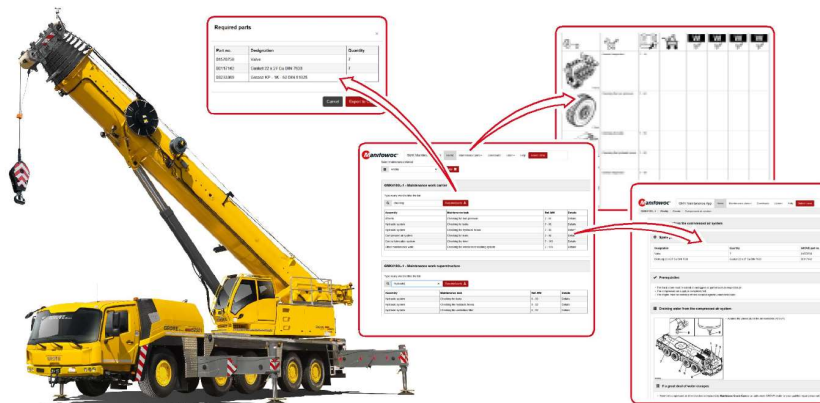
Maintenance video

You may also find our video outlining some simple maintenance procedures useful, under the following link:

<https://www.manitowoccranes.com/en/Resources/videos/2016/Grove-GMKpreventive-maintenance>

Maintenance App

When planning your routine crane maintenance, consider utilizing our GMK Maintenance App.



Visit our dedicated website: <https://eu100.manitowoc.com/GMKMaintenance/>

Read the Quick Start Guide for using the App:

