

**GMK 6300L**  
**Mercedes E3b / T4i and E3a / T3 engines**  
**Maintenance Kit P/No 04163128**

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 6300L	Mercedes	E3b/T4i	6300 4001	3 302 841/2 or	04163128
	Mercedes	E3a/T3	6300 3001	3 112 924/5	04163128

E3b / T4i engine models: chassis OM 502 superstructure OM 926  
 E3a / T3 engine models: chassis OM 502 superstructure OM 906

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**

01576026	Chassis hydraulic oil tank breather	1
03045809	Super engine oil filter	1
03140253	Chassis hydraulic filter oil 3 & 4	2
03142356	Super hydraulic oil filter 2	1
03319602	Super hydraulic oil tank breather	1
03319653	Chassis engine fuel filter 2	1
03325700	Super hydraulic oil filter 1	1
03328262	Chassis engine air filter	1
03328263	Super engine air filter element	1
03328365	Chassis engine oil filter	1
03328573	Super engine fuel filter 2	1
03328656	Chassis & super engine fuel filter 1	2
03329152	Chassis hydraulic oil filter 1 & 2	2
04157573	Chassis cab pollen filter	1

04157569	Super engine fuel filter 3	1
04286260	Filter, air dryer (chassis and super)	2

00117125	Sealing ring (slewing gear)	3
00117132	Sealing ring (slewing gear)	3
00117134	Seal (transfer case, axle center drives)	9
00117145	Seal (axle center drives, final drives, transmission)	8
00117151	Seal (axle center drives, transfer case)	6
03135778	Gasket set (chassis hydraulic oil filter 1 & 2)	2
03135853	Gasket set complete (super hydraulic oil filter 1)	1
03135867	Gasket set (chassis hydraulic filter oil 3 & 4)	2
03326049	Seal kit (super hydraulic oil filter 2)	1
03329824	Chassis engine oil drain	1

### **Additional maintenance items (not in the kit)**

#### **DEF (Ad-Blue) Filter kit (E3b / T4i engines):**

2x P/No 04157650 is required for the 2000 hour / Y2 maintenance interval. Please order these 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'.

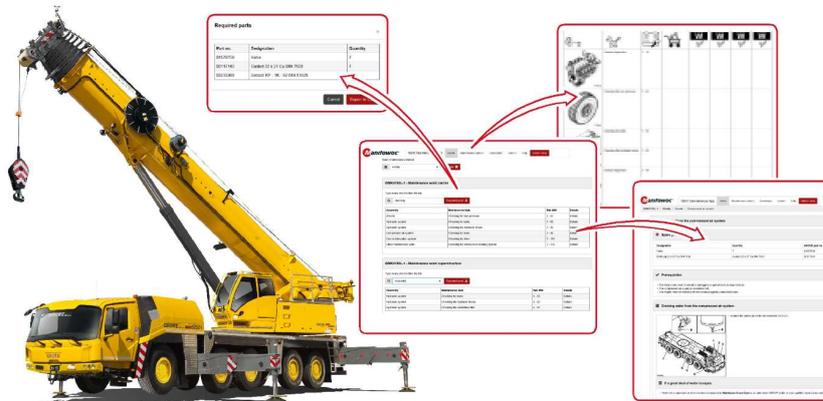
## Maintenance video

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:

