GMK 4080-3, GMK 4090-1, GMK 4100L-2
Mercedes E5 / T3 engine
Maintenance Kit P/No 04361962

Manitowoc Crane Care 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 Manitowoc Crane Care.

Crane reference table

Crane model	Engine		Crane S/No start	Maintenance Manual	1000h or 2000h kit P/No
GMK 4080-3	Mercedes	T3	4080 5101	3 303 190/1	04361962
GMK 4080-3	Mercedes	E5	4080 4101		04361962
GMK 4090-1	Mercedes	T3	4090 5101	3 303 188/9	04361962
GMK 4090-1	Mercedes	E5	4090 4101		04361962
GMK 4100L-2	Mercedes	T3	4100 7101	3 303 149/50	04361962
GMK 4100L-2	Mercedes	E5	4100 4301		04361962

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

Filters

01576026	Chassis hydraulic oil tank breather	1
03134932	Super hydraulic oil tank breather	1
03140253	Chassis hydraulic oil filter 3 & 4	2
03142356	Super hydraulic oil filter 2	1
03324588	Suspension overflow tank breather	1
04293664	Chassis cab (2020) pollen filter	1
04293649	Chassis cab (2020) air filter	1
03329152	Chassis hydraulic oil filter 1 & 2	2
04156358	Super hydraulic oil filter 1	1
04161529	Engine oil drain screw Plug	1

04286396	Engine oil filter	1
04286260	Filter, Air Dryer	1
04326283	Fuel filter 1 & 2 kit	1
04158601	Main air filter element	1
04158602	Safety air filter element	1

Seals

00117125	Sealing ring (slewing gear)	2
00117132	Sealing ring (slewing gear)	2
00117134	Seal (transfer case)	1
00117145	Seal (axle center drives, final drives, transmission)	10
00117151	Seal (axle center drives, transfer case, angle drive)	6
01371208	Seal (axle center drives)	4
03135867	Gasket set complete (chassis hydraulic oil filter 3 & 4)	2
03326049	Seal kit (super hydraulic oil filter 2)	1
04256786	Gasket set complete (chassis hydraulic oil filter 1 & 2)	2
04165792	Gasket set (super hydraulic oil filter 1)	1

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 Manitowoc Crane Care as required:

- Sliding surface boom grease
  - 400 gr. cartridge for spray gun P/No **03329071**
  - 400 gr. cartridge P/No **02314184**
  - 10 kg can P/No **01373458**
  - 25 kg bucket P/No **02314698**
- 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

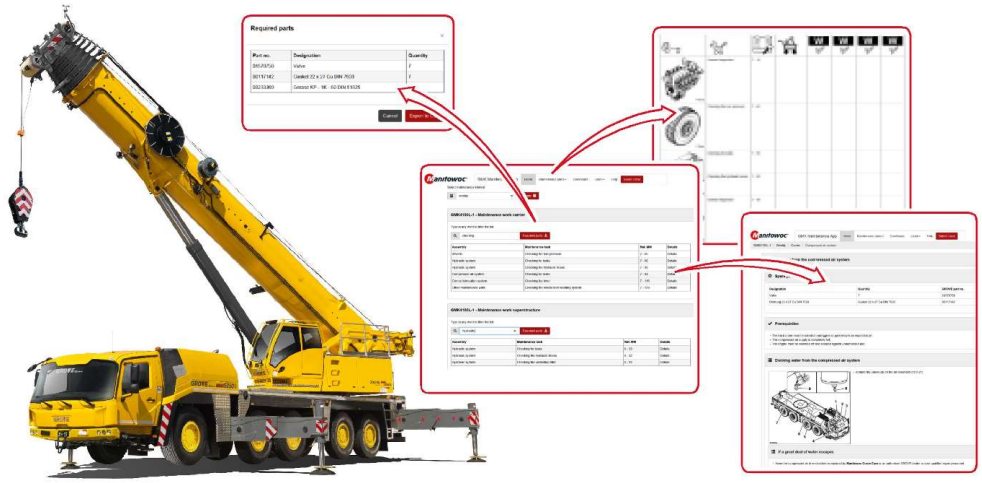
To perform the check of nitrogen pressure in the accumulators as explained in the Maintenance manual, Manitowoc Crane Care offers a test kit P/No 02257617 (gas bottle adapter and pressure regulator also required). Reference service bulletin SB D20-311 'Accumulator Charging Kit'.

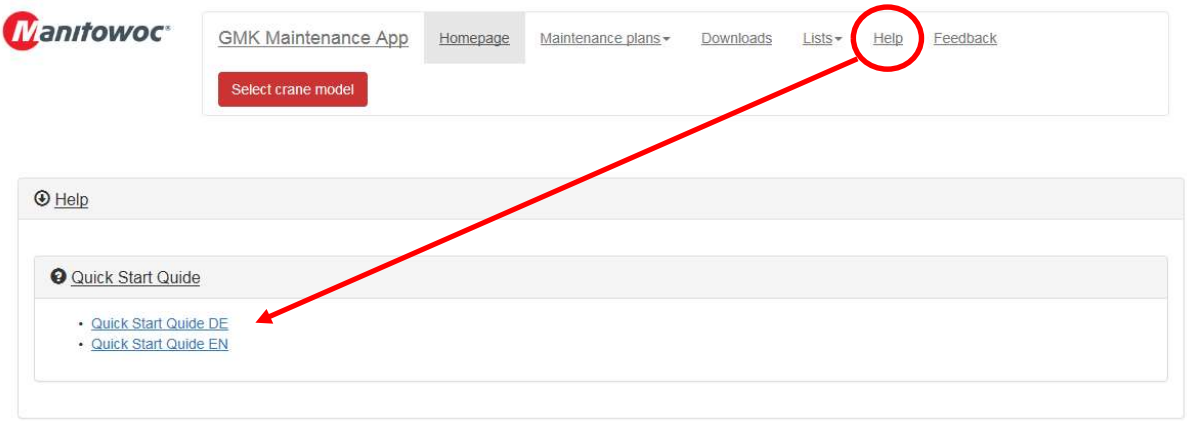
Maintenance video

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: