

**Maintenance Kit Guide 500h / 1000h / 2000h****GMK 6400-1 / GMK 6450-1****Mercedes T3 / E5 engine****500 h Maintenance Kit**

Help keep your crane making money for you!

Regular preventative maintenance ensures good reliability.

Benefit from savings by buying kits instead of individual parts.

Good maintenance at the right time will make a difference in the daily reliability and long-term life of your GMK. The 500 hour kit is equivalent to an average 6 month inspection.



\*The sample image may show a different content than listed below

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

**500h Maintenance Kit P/No 04414168****Crane reference table**

Crane model	Engine		Crane S/No start	Maintenance Manual	500h kit P/No
GMK 6400-1	Mercedes	T3	6400 3501	3 303 218	04414168
		E5	6400 4001	3 303 218	
GMK 6450-1	Mercedes	T3	6400 3501	3 303 251 or 4 409 014/15/29/30	04414168
		E5	6400 4001	3 303 251 or 4 409 014/15/29/30	

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.

## Kit contents

Part No.	Description	Quantity
00117125	Sealing ring (slewing gear)	3
00117134	Seal (transfer case - steel, axle drives)	1
00117145	Seal (final drives)	8
00117151	Seal (transfer case - steel, axle drives, final drives)	3
03135778	Gasket set complete (chassis hydraulic oil filter 2)	1
04299931	Gasket set complete (chassis hydraulic oil filter 1)	1
04362141	Gasket set (super hydraulic oil filter 1)	1
04362201	Gasket set (super hydraulic oil filter 2)	1
04157299	Vent valve (Hoists)	4
04362012	Engine fuel filter 1 & 2	1

## 1000 h Maintenance Kits

Help keep your crane making money for you!

Regular preventative maintenance ensures good reliability.

Benefit from savings by buying kits instead of individual parts.

Good maintenance at the right time will make a difference in the daily reliability and long-term life of your GMK. The 1,000 hour kit is equivalent to an average 12 month inspection.



\*The sample image may show a different content than listed below

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### 1000h Maintenance Kit P/No 04362376

#### Crane reference table

Crane model	Engine		Crane S/No start	Maintenance Manual	1000h kit P/No
GMK 6400-1	Mercedes	T3	6400 3501	3 303 218	04362376
		E5	6400 4001	3 303 218	
GMK 6450-1	Mercedes	T3	6400 3501	3 303 251 or 4 409 014/15/29/30	04362376
		E5	6400 4001	3 303 251 or 4 409 014/15/29/30	

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.

## Kit contents

Part No.	Description	Quantity
03134932	Super hydraulic tank breather	1
03142360	Chassis hydraulic tank breather	1
03312793	Super hydraulic oil filter 3	1
03329152	Chassis hydraulic oil filter 2	1
04157573	Chassis cab pollen filter	1
04163882	Engine air filter (main)	1
04163883	Engine air filter (back-up)	1
04238789	Super hydraulic oil filter 2	1
04238790	Super hydraulic oil filter 1	1
04271673	Chassis hydraulic oil filter 1	1
04286260	Filter, air dryer	1
04286320	Chassis hydraulic oil filter 5 & 6	2
04286399	Engine oil filter	1
04425795	Chassis hydraulic oil filter 3 & 4	2
00117125	Sealing ring (slewing gear)	3
00117132	Sealing ring (slewing gear)	3
00117134	Seal (transfer case - steel, axle drives)	5
00117139	Engine oil drain M20 seal	1
00117145	Seal (final drives)	8
00117147	Engine oil drain M26 seal	1
00117151	Seal (transfer case - steel, axle drives, final drives)	7
03135778	Gasket set complete (chassis hydraulic oil filter 2)	1
03135867	Gasket set complete (chassis hydraulic oil filter 3 & 4)	2
03138759	O ring (chassis hydraulic oil filter 5 & 6)	2
04160714	O ring (PTO oil level)	1
04161531	Engine oil filter drain gasket	1
04155708	O ring (transmission oil level)	1
04299931	Gasket set complete (chassis hydraulic oil filter 1)	1
04362141	Gasket set (super hydraulic oil filter 1)	1
04362176	Gasket set (super hydraulic oil filter 3)	1
04362201	Gasket set (super hydraulic oil filter 2)	1
04362271	O-ring (Compressed air system)	1
02313899	Oil tank cover gasket 140 / 90 x 3	1
03142531	Spring (Hydraulic system)	2
04157299	Vent valve (Hoists)	4
04362012	Engine fuel filter 1 & 2	1

## 2000 h Maintenance Kits

Help keep your crane making money for you!  
 Regular preventative maintenance ensures good reliability.  
 Benefit from savings by buying kits instead of individual parts.

Good maintenance at the right time will make a difference in the daily reliability and long-term life of your GMK. The 2,000 hour kit is equivalent to an average 2 year inspection.



\*The sample image may show a different content than listed below

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

### 2000h Maintenance Kit P/No 04414169

#### Crane reference table

Crane model	Engine		Crane S/No start	Maintenance Manual	2000h kit P/No
GMK 6400-1	Mercedes	T3	6400 3501	3 303 218	04414169
		E5	6400 4001	3 303 218	
GMK 6450-1	Mercedes	T3	6400 3501	3 303 251 or 4 409 014/15/29/30	04414169
		E5	6400 4001	3 303 251 or 4 409 014/15/29/30	

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.

## Kit contents

Part No.	Description	Quantity
03134932	Super hydraulic tank breather	1
03142360	Chassis hydraulic tank breather	1
03312793	Super hydraulic oil filter 3	1
03329152	Chassis hydraulic oil filter 2	1
04157573	Chassis cab pollen filter	1
04163882	Engine air filter (main)	1
04163883	Engine air filter (back-up)	1
04238789	Super hydraulic oil filter 2	1
04238790	Super hydraulic oil filter 1	1
04271673	Chassis hydraulic oil filter 1	1
04286260	Filter, air dryer	1
04286320	Chassis hydraulic oil filter 5 & 6	2
04286399	Engine oil filter	1
04425795	Chassis hydraulic oil filter 3 & 4	2
00117125	Sealing ring (slewing gear)	3
00117132	Sealing ring (slewing gear)	3
00117134	Seal (transfer case - steel, axle drives)	5
00117139	Engine oil drain M20 seal	1
00117145	Seal (final drives)	8
00117147	Engine oil drain M26 seal	1
00117151	Seal (transfer case - steel, axle drives, final drives)	7
03135778	Gasket set complete (chassis hydraulic oil filter 2)	1
03135867	Gasket set complete (chassis hydraulic oil filter 3 & 4)	2
03138759	O ring (chassis hydraulic oil filter 5 & 6)	2
04160714	O ring (transmission oil level)	2
04161531	Sealing ring (slewing gear)	1
04155708	Sealing ring (slewing gear)	4
04299931	Gasket set complete (chassis hydraulic oil filter 1)	1
04362141	Gasket set (super hydraulic oil filter 1)	1
04362176	Gasket set (super hydraulic oil filter 3)	1
04362201	Gasket set (super hydraulic oil filter 2)	1
04157299	Vent valve (Hoists)	4
04362271	O-ring (Compressed air system)	1
02313899	Oil tank cover gasket 140 / 90 x 3	1
03142531	Spring (Hydraulic system)	2
04158759	Vent valve (Hoists)	1
04155134	Oil filter	1
03143694	O-ring 78 x 3	1
04161950	Dust discharge valve (Carrier; Engine)	1
04362224	Oil filter (Carrier; Transmission with retarder)	1
01377793	Gasket (version A) (Superstructure; Hoists)	10
04362012	Engine fuel filter 1 & 2	1

## Additional Maintenance Items (not included in the kit)

### 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 - part number **04299656**
- 400 gr. cartridge - part number **04299657**
- 10 kg can - part number **04299654**
- 25 kg bucket - part number **04299655**

Cylinder rod corrosion protection (400ml spray) - part number **01929824**

Boom pinning 'BOLT GREASE 2.0' (400g cartridge) - part number **03313195**

Suspension lubricant (1-liter bottle) P/No 02310863, (10-Liter) - part number **02312890**

Turntable bearing gear teeth adhesive grease (400ml spray) - part number **S-01032-63**

### OIL ANALYSIS KIT

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.



## GMK BOOM GREASE KIT

Makes regular maintenance quick and trouble-free. Boom lubrication with the right tools! The boom lubrication kit is designed to provide easy access to inaccessible areas for tasks like lubrication inside the boom through the pinning holes

Tested by our technicians. – Boom Grease Kit part number: **04414162**

Works with High-Pressure Hose, 25m (purchased separately) - part number: **03329072**

For convenience you can also order the total package “Boom Lubrication Kit” including the boom grease and the spray lance under part number **04414402**



p/n **04414162**



p/n **03329072**



p/n **04414402**

## GMK BATTERY CHARGER

Keep your battery charged and ready to go!

Regular preventative maintenance ensures good reliability. Easy and convenient, with the matching Harting plug to connect to your GMK crane already attached.

Heavy-duty battery charger (220V; 24V - 20A, 110 V; 24V - 10A).

Part Number (110V): **04326279**      Part Number (220V): **04326178**

