

## Maintenance Kit Guide 500h / 1000h / 2000h

### GMK 5180-1/ GMK 5200-1/ GMK 5250L /GMK 5250L-1/GMK 5250XL-1

#### Mercedes T4F / E3A 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 04425829

#### Crane reference table

Crane model	Engine		Crane S/No start	Maintenance Manual	500h kit P/No
GMK 5180-1	Mercedes	T4F	5180 5001	3 302 935/6	04425829
		E3A	5180 6001		
GMK 5200-1	Mercedes	T4F	5200 5501	3 302 746	04425829
GMK 5250L	Mercedes	T4F	5250 5001	3 302 744	04425829
		E3A	5250 6001		
GMK 5250L-1	Mercedes	T4F	5250 5501	3 302 870/1	04425829
GMK 5250XL-1	Mercedes	T4F	5250 8501	3 302 965/6	04425829

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
03142360	Chassis hydraulic oil tank breather	1
00117134	Seal (transfer case)	1
00117151	Seal (axle center drives, transfer case, angle drive)	6
03135778	Gasket set (chassis hydraulic oil filter 1 & 2)	2
04165792	Seal kit (super hydraulic oil filter 1)	1
04181265	Seal (final drives)	8
03043049	Venting filter	1
01927403	Gasket A 18 x 22	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

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

### 1000h Maintenance Kit P/No 04165132

#### Crane reference table

Crane model	Engine		Crane S/No start	Maintenance Manual	1000h kit P/No
GMK 5180-1	Mercedes	T4F	5180 5001	3 302 935/6	04165132
		E3A	5180 6001		
GMK 5200-1	Mercedes	T4F	5200 5501	3 302 746	04165132
GMK 5250L	Mercedes	T4F	5250 5001	3 302 744	04165132
		E3A	5250 6001		
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.

## Kit contents

Part No.	Description	Quantity
04241159	Main air filter element	1
04241160	Safety air filter element	1
00117145	Seal (axle center drives, final drives, transmission)	10
00117151	Seal (axle center drives, transfer case, angle drive)	6
00117134	Seal (transfer case)	5
04161645	Gasket set (Angle gear)	1
01371208	Gasket set (chassis hydraulic oil filter 1 & 2)	1
04286260	Filter, air dryer	1
03142360	Chassis hydraulic oil tank breather	1
03329152	Chassis hydraulic oil filter 1 & 2	2
04362244	Chassis hydraulic oil filter 3 & 4, angle drive oil filter	3
03135778	Seal (axle center drive)	2
03135867	Gasket set (chassis hydraulic filter oil 3 & 4)	2
04157573	Chassis cab pollen filter	1
03134932	Super hydraulic oil tank breather	1
04362245	Super hydraulic oil filter 1	1
03142356	Super hydraulic oil filter 2	1
03249527	Super hydraulic oil filter 3	1
03326049	Seal kit (super hydraulic oil filter 2)	1
00117125	Sealing ring (slewing gear)	3
00117132	Sealing ring (slewing gear)	3
04241120	Super cab pollen filter	1
04165792	Seal kit (super hydraulic oil filter 1)	1
04285988	Seal kit (super hydraulic oil filter 3)	1
04286399*	Or: Chassis engine oil filter (later engines - o ring flange)	1
04326198*	Either: Chassis engine oil filter (first engines - felt seal)	1
04161531	Seal (engine oil drain)	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.



Please note that the fuel filter is not included in the scope of delivery of this maintenance kit. Please select the filter suitable for your crane serial number and order it separately. Please note the singalcode/infotext during the ordering process.

## 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 04425831

### Crane reference table

Crane model	Engine		Crane S/No start	Maintenance Manual	2000h kit P/No
GMK 5180-1	Mercedes	T4F	5180 5001	3 302 935/6	04425831
		E3A	5180 6001		
GMK 5200-1	Mercedes	T4F	5200 5501	3 302 746	04425831
GMK 5250L	Mercedes	T4F	5250 5001	3 302 744	04425831
		E3A	5250 6001		
GMK 5250L-1	Mercedes	T4F	5250 5501	3 302 870/1	04425831
GMK 5250XL-1	Mercedes	T4F	5250 8501	3 302 965/6	04425831

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 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
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)	12
00117151	Seal (axle center drives, transfer case, angle drive)	6
03135778	Seal (axle center drive)	1
01371208	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
04165792	Seal kit (super hydraulic oil filter 1)	1
04181265	Seal (final drives)	8
04326198*	Either: Chassis engine oil filter (first engines - felt seal)	1
04286399*	Or: Chassis engine oil filter (later engines - o ring flange)	1
04161531	Seal (engine oil drain)	1
04285988	Seal kit (super hydraulic oil filter 3)	1
00117131	Gasket for oil drain plug	1

<b>Part No.</b>	<b>Description</b>	<b>Quantity</b>
04163770	Filter exchange kit	1
04163772	Cover gasket filter	1
03328342	Strainer (Transmission)	1
03328343	Spring (Transmission)	1
03328344	Gasket (Transmission)	1
03043049	Venting filter	1
01927403	Hoist Gasket A 18 x 22	1
04158759	AdBlue filter cartridge	1
04161529	Oil drain screw	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.

Please note that the fuel filter is not included in the scope of delivery of this maintenance kit. Please select the filter suitable for your crane serial number and order it separately. Please note the singalcode/infotext during the ordering process.



## 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**

