

GMK 7450
Cummins T4f engines
Maintenance Kit P/No 04299638

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 7450 | Cummins | T4F | 7450 9001 | 3 302 576/7 | 04299638 |

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 |
| 02212145 | Chassis cab pollen filter | 1 |
| 03317083 | Super hydraulic oil filter 2 | 1 |
| 03319602 | Super hydraulic oil tank breather | 1 |
| 03325700 | Super hydraulic oil filter 1 | 1 |
| 03329152 | Chassis hydraulic oil filter 1 & 2 | 2 |
| 04241344 | Chassis engine oil filter | 1 |
| 04241506 | Chassis engine coolant filter | 1 |
| 04256761 | Super engine primary air filter | 1 |
| 04256762 | Super engine secondary air filter | 1 |
| 04257232 | Super hydraulic oil filter 3 | 1 |
| 04286260 | Filter, air dryer | 1 |
| 90000924 | Chassis engine fuel filter 1 | 1 |
| 90024700 | Super engine fuel filter 2 | 1 |
| 90025830 | Chassis engine primary air filter | 1 |
| 90025831 | Chassis engine secondary air filter | 1 |
| 90026681 | Super engine fuel filter 1 | 1 |

| | | |
|------------|------------------------------|---|
| 90039607 | Chassis engine fuel filter 2 | 1 |
| 9414101679 | Super engine oil filter | 1 |

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|------------|--|----|
| 00117125 | Sealing ring (slewing gear) | 3 |
| 00117131 | Seal (hoist oil) | 2 |
| 00117132 | Sealing ring (slewing gear) | 3 |
| 00117134 | Seal (transfer case) | 1 |
| 00117137 | Seal Hoist oil) | 4 |
| 00117145 | Seal (axle center drives, final drives, hoist oil) | 16 |
| 00117147 | Seal (hoist oil) | 4 |
| 00117151 | Seal (transfer case, axle center drives) | 5 |
| 01371208 | Seal (axle centre drives) | 4 |
| 01372280 | Gasket set (super hydraulic oil filter 2) | 1 |
| 01927403 | Gasket (hoist brakes) | 2 |
| 03043651 | Sealing ring (super pump transfer case) | 2 |
| 03135778 | Gasket set (chassis hydraulic oil filters) | 2 |
| 03135853 | Gasket set (super hydraulic oil filter 1) | 1 |
| 04241329 | o ring (chassis engine oil filter drain) | 1 |
| 9414101344 | o ring (super engine oil filter drain) | 1 |

Additional maintenance items (not in the kit)

DEF (Ad-Blue) Filter kit:

1x 04157650 is required for the 2000 hour / Y2 maintenance interval. Please order this additionally, as needed.

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.manitowocranes.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:

