

Date: February 08, 2016  
Subject: Connecting rod  
Engine type: M25

Caterpillar confidential: green

## Replacement of Service Information No. 0004 M25

### Connecting rods to be checked

With service information 0004M25, customers operating M25 engines with engine Nos. starting with 42xxx and 44xxx were requested to check all connecting rods on board because they might have connecting rods at risk installed in their engines or delivered as on-board spare. The connecting rods that are possibly affected were supplied in the time between the beginning of year 2006 and the beginning of year 2007, as original equipment in new engines or as spare parts. These connecting rods have a deep marking made by the forging die.

It has been found that another batch of connecting rods is potentially affected. Therefore, the M25 C-engines with serial numbers as shown in table 1 also contain one or more affected connecting rods and must be checked as well.

Please note that this Service Letter 0004aM25 replaces the old Service Letter 0004M25.

**Since a failure of the connecting rod can put life and limb of personnel standing next to the engine at risk and pose a threat to the safety of the vessel, we recommend checking all connecting rods installed in M25 engines as well as any spare connecting rod for deep markings similar to figure 2 at the next opportunity. If present, the affected connecting rods have to be reworked and crack tested. Contrary to the information given earlier, the shape of the last digit, whether it is "1", "2" or a letter, does not matter.**

Due to the fact that engine / vessel ownership might have changed and that new connection rods were purchased as spare parts, we cannot track exactly the potentially affected engines and ask all operators of M25 engines with serial numbers starting with 42 or 44 and those that are stated in table 1 to take note of this service information.

In case affected connecting rods are found, please contact your MaK service dealer for ordering particular rework and magna-flux crack testing immediately. This task will be supported by us in covering a substantial amount of the labour cost involved. Due to the fact that engine warranty period has expired please understand that we cannot cover all cost that will occur in this regard. Cracked connecting rods found must be exchanged and will be offered at no cost to you.

**Do not postpone this connecting rod check. Affected connecting rods must be reworked.**

Connecting rods with surface markings similar to figure 1 are NOT affected.

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table 1

Engine serial No. Engine serial No. Engine serial No. Engine serial No. Engine serial No.

|        |        |        |        |        |
|--------|--------|--------|--------|--------|
| 45 017 | 45 134 | 45 194 | 45 210 | 45 234 |
| 45 018 | 45 135 | 45 195 | 45 211 | 45 237 |
| 45 019 | 45 139 | 45 196 | 45 212 | 45 238 |
| 45 020 | 45 152 | 45 197 | 45 213 | 45 239 |
| 45 037 | 45 157 | 45 198 | 45 214 | 45 240 |
| 45 050 | 45 158 | 45 199 | 45 215 | 45 241 |
| 45 067 | 45 159 | 45 201 | 45 216 | 45 242 |
| 45 071 | 45 160 | 45 202 | 45 217 | 45 200 |
| 45 073 | 45 162 | 45 203 | 45 218 |        |
| 45 081 | 45 168 | 45 204 | 45 225 |        |
| 45 082 | 45 174 | 45 205 | 45 226 |        |
| 45 094 | 45 190 | 45 206 | 45 228 |        |
| 45 100 | 45 191 | 45 207 | 45 229 |        |
| 45 113 | 45 192 | 45 208 | 45 230 |        |
| 45 117 | 45 193 | 45 209 | 45 233 |        |



figure 1

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figure 2

Please confirm reception of this letter by returning this page signed below as fax or as scan by e-mail to your dealer as soon as possible. Thank you for your cooperation.

Service Information 0004a M25 received and read:

Company: \_\_\_\_\_

Name: \_\_\_\_\_

Engine serial number: \_\_\_\_\_

Date and place: \_\_\_\_\_

Signature: \_\_\_\_\_