



Service Information No. 05c /08

Date: April 10, 2008

Connecting Rod Safety Checks

M32 C engine No. 38479, 38480, 38481, 38599, 38600

Due to recent findings, we have to inform you about a possible risk we have found on the bottom part (bearing cap) of the connecting rods installed in the a.m. engines. According to these findings, there is a risk that a combination of a number of negative influences may result in the development of a crack during engine operation. Potential influences are the following:

- A relatively sharp peak is formed in the centre of the groove
- A grinded surface is uneven
- Grinding traces are in longitudinal direction of the groove

The photograph below shows an uncritical connecting rod.





The photograph below shows a connecting rod at risk.







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According to our knowledge, the above mentioned engines are very close to their commissioning dates. In order to minimize the risk of a failure on these engines, it is required that you immediately perform a visual check of the areas concerned on all cylinder units and send detailed digital photographs to your CAT dealer. Please refer to the photographs above for the area to be photographed.

Your dealer will respond as soon as possible to tell you whether the parts built into your engine are at risk and, if necessary, inform you about the next steps to be taken. The engine must not be started until your CAT dealer has given you this response.

Based on the inspection performed by yourself, a team of specialists will come onboard in order to perform more in-depth checks and possibly rework suspicious surfaces. Your servicing dealer will contact you in order to align possible dates for these visits.

A failure of the conrod bearing cap can cause severe damage to the crank gear and put life and limb of the personnel on board at risk. Therefore, it must absolutely be avoided to stay near the engine in operation unless required for the time being.

If you have any questions in this regard, please do not hesitate to contact your responsible CAT dealer. As soon as further insights are gained through our ongoing investigations, your CAT dealer will inform you immediately.

This service information is independent from any earlier information published.