

Service Information No. 04 / 07**Date:** 15.03.2007**Turbocharger TPL 76C; Filter Silencer sheet metal ring 8/9 M 43C**

Our engines 8/9 M43C are equipped with the ABB turbocharger TPL 76C.

Following our Service Information 01/07 we received further information from ABB with regard to this topic.

The present design of the sheet metal ring inside the air filter silencer does not meet the expectations and might become defective.

As per the attached Service News No. 03/07, ABB recommends to remove the sheet metal ring inside the filter silencer. ABB has received from us a list with all affected MaK engines and already started the necessary activities.

Please contact your local ABB service station in case you haven't heard anything about this matter.

ABB service personnel under their terms of product warranty will carry out the removal of the sheet metal ring.

Further investigations might reveal that this ring is no longer necessary. We will keep you informed as soon as we have received the final results from ABB.

Encl.: ABB Turbocharging Service News 03 / 2007

This Service News replaces Service News 01 / 2007

TPL76-C Filter Silencer

Introduction

Please note that we have been informed of a defect in the present design of the filter silencer (p/n 81000). The bonding of the sheet metal ring inside the filter silencer has been known to fail, causing damage to the turbocharger.

First investigations carried out in-house have shown that the design and quality of the bonding now being used for the filter silencers does not meet all the requirements necessary for reliable operation of the turbocharger. It has therefore been decided to lock the sheet metal ring in position by means of 8 bolts in addition to the bonding.

Meanwhile during the modifications described above, two filter silencers have been found with the sheet metal ring still bonded properly but with cracks originating from high cycle fatigue. Cracks in the sheet metal ring can also cause damage to the turbocharger.

Required actions

It has been decided to remove all sheet metal rings from the silencers in the field in order to prevent further failures due to cracks. First investigations have revealed that this measure will not affect the efficiency of the turbocharger. Further measurements on the test rig and CFD calculations are ongoing in order to confirm this theory.

The bonded sheet metal rings can easily be removed by means of a hammer. In case of the sheet metal ring was already locked in position by locking bolts, these bolts have to be removed first.

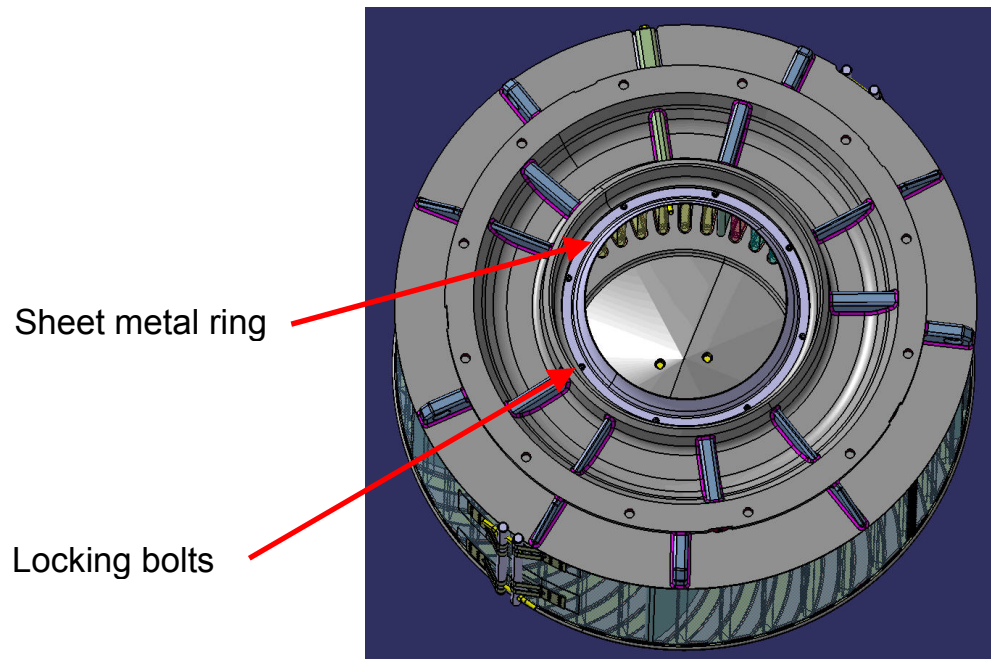
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Unless otherwise expressly set forth, no recommendation contained in this document is to be construed as provided due to a defect in the turbocharger, but merely as an improvement of the turbocharger and/or the maintenance procedures relating thereto. Any actions by the owner/operator as a result of the recommendations are not covered under any warranty provided by ABB and such actions will thus be at the owners/operators own cost and expense.



Under the terms of the product warranty, silencers supplied for TPL76-C units will be modified as a proactive measure. Please contact your local ABB service station for the further scheduling and performance of the modification.