



Technical Service Bulletin

Technical Service Bulletin: TSB200209	Released Date: 21-Oct-2020
New Lead-Free Connecting Rod Bearing	

New Lead-Free Connecting Rod Bearing

Warranty Statement

The information in this document has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions.

Contents

Product Affected

- QSC8.3
- QSL9
- ISC
- ISC8.3
- ISL
- ISLe
- ISL9
- L8.9
- ISL8.9
- L9

Description of Change

This document announces the release of new lead-free connecting rod bearings. Some engines for non-stop-start applications began manufacturing with different connecting rod bearings beginning in June 2020.

Key differences:

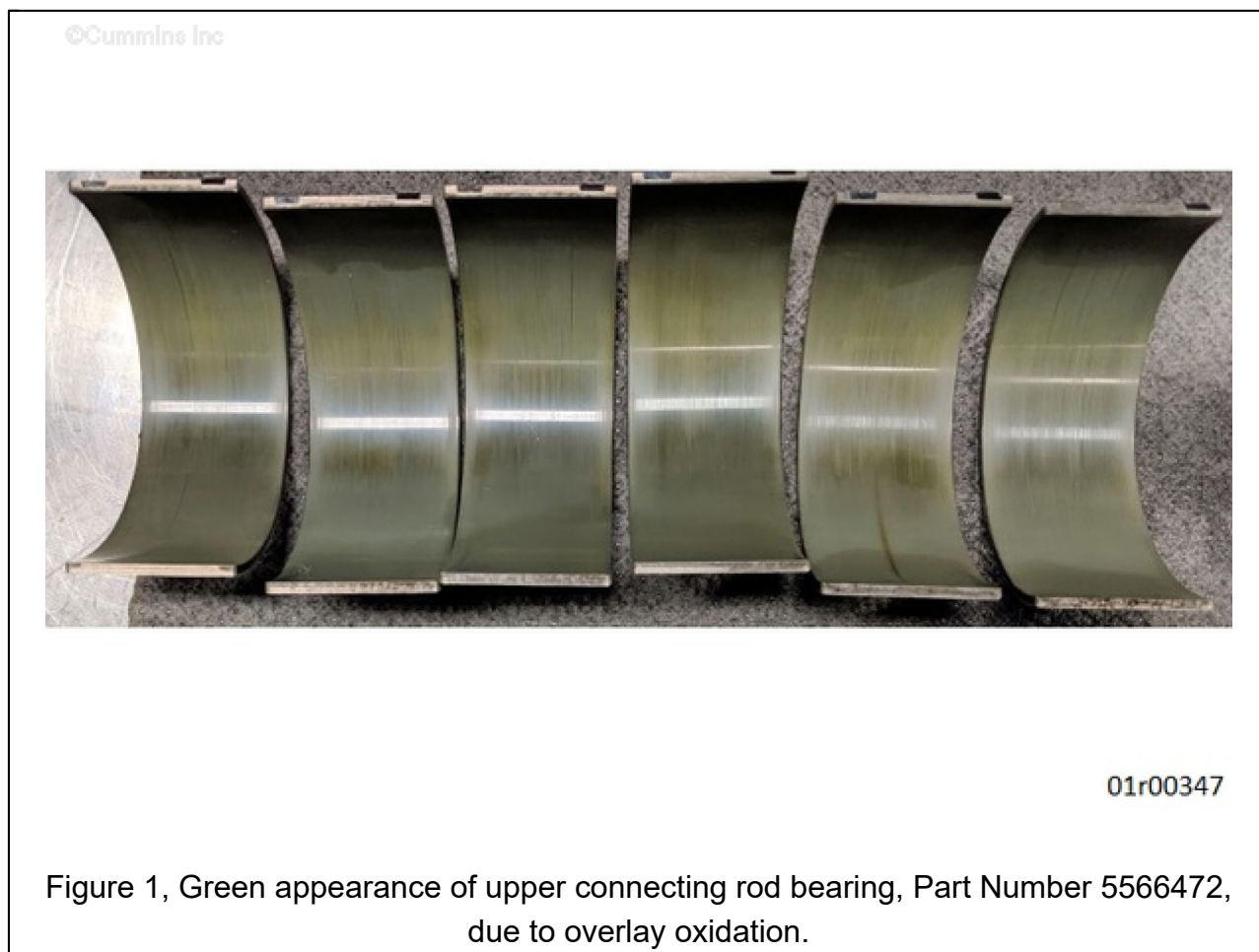
- Released bearing material offers more debris robustness
- Connecting rod bearings will have a dark grey overlay
- Connecting rod bearings will have staked tang design and ID bar-codes

Reason for Change

- New lead-free rod bearings were developed to improve debris robustness.

Service Instructions

- Due to overlay oxidation, upper connecting rod bearing may appear green. See Figure 1. This is **not** considered detrimental for bearing durability or performance. Follow existing service guideline for re-use criteria.
- Existing and new part numbers are **not** to be mixed, upper and lower rod bearings **must** be replaced as a set.



Service Parts Availability

Service parts are available. See Table 1 for part numbers.

Table 1, Service Parts				
Part Description	Existing Part Number	Obsolete	Superseded	New Part Number

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Part Description	Existing Part Number	Obsolete	Superseded	New Part Number
Upper connecting rod bearing	5283365	No	Yes	5566472
Lower connecting rod bearing	5283364	No	Yes	5566471

Part Identification

- Connecting rod bearings can be identified by their part numbers. See below.

New Upper Rod Bearing, Part Number 5566472.



New Lower Rod Bearing, Part Number 5566471.



Figure 3, 5566471 ID Appearance, OD Appearance, Part Number Stamping

Part Inventory Action

- Use existing part number inventory before using the new part number.
- Do **not** mix old and new rod bearings between cylinders for individual engines.

Associated Publications

Manual Type	Procedure Title	Procedure
Service Manual	Bearings, Connecting Rod	001-005

Document History

Date	Details
2020-10-16	Module Created

Last Modified: 21-Oct-2020
