

Reman CPI - Excessive oil passing on 20R-5604 and 20R-5605 CAT 270 compressors for C13 and C15 truck engines

(Status Updated: 09Jan2018)

CPI Number: 384132

Status: Open , Active

6 Sigma Phase:

Commercial Impact:

Initial Project Activation Date: 03Jan2017

Target Completion Date: 29Dec2017

Models:

(C13), (C15),

Symptom/Description:

High oil passing into the air system has been reported after installing a 20R5604 or 20R5605 compressor on an C13 (LEE) or C15 (SDP) truck engine. Warranty and field complaints have increased on Cat 270 compressors after the change was made to the 20R5604 and 20R5605 part numbers. Dealers are experiencing and increased amount of oil passing into the air systems in early hours after installation.

Part Number:

20R-5604 (COMPRESSOR GP -B) 20R-5605 (COMPRESSOR GP -B)

Dealer Status:

PCA selected and implemented June 16, 2017. At this point, very positive feedback was received and no "oil passing" related failure reported for the new Rev air compressor. Your feedback is always very important to us after installing the air compressor with all fixes. Please submit a GDSN Parts Technical service request (SR) with priority of Product Inquiry / Informational Attn.. Mike Ciolino (309-578-5630) if you have any questions/concerns. Please include the compressor serial # so we can quickly identify if it is the compressor with full fixes.

Interim Action Info:

Repair Type: Field

Repair Action: Replace existing 20R-7295 and 20R7296 compressors in dealer parts stock with new compressors with updated ring and pistons.

Repair Eff S/N: SDP[00001-00000]

Pub Type: Service Letter

Pub Number: PI70670

Pub Date: 21Jun2017

Repair Type: Field

Repair Action: TIB for installing check valve into the inlet hose of the air compressor using the instructions REHS4833.

Repair Eff S/N: SDP[00001-00000]

Pub Type: TIB
Pub Number: M0079857
Pub Date: 11Jan2017

Repair Type: Field

Repair Action: Update the 20R-5604 and 20R-5605 compressors in dealer stock to the 20R-7295 and 20R-7296 kits with addition of the 8T-1117 clamps and 340-5702 check valve.

Repair Eff S/N: SDP[00001-00000]

Pub Type: Service Letter

Pub Number: PI70659

Pub Date: 21Mar2017

Root Cause:

- 1: Inlet check valve was removed when introducing in house Reman, which can cause the increase of pressure differential between inlet vacuum and crankcase, thus increasing oil passing.
- 2: Supplier parts quality issues on Piston/Rings Pack
- 3: Type of Piston design - reversed to old design type when start in house Reman due no supplier available for new design type.

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