

SB-10051916-4161

CATERPILLAR**Service Information System**

Shutdown SIS

Previous Screen

◀ Surqxfw=#QR #HT X LSP HQW VHOHFWHG #
 P rgho=#QR #HT X LSP HQW VHOHFWHG #
 Frqilj xudwlrq= QR #HT X LSP HQW VHOHFWHG #

Technical Information Bulletin**Connecting Rods on Certain 3304 and 3306 Gas and Diesel Engines Have Failed{1225}**

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Caterpillar: Confidential Yellow

1385688:9

Connecting Rods on Certain 3304 and 3306 Gas and Diesel Engines Have Failed{1225}

SMCS - 1225

Engine:

1673C (S/N: 69D1-UP; 76R1-UP)

3304 (S/N: 02B1-UP; 04B1-UP; 05B1-UP; 4XB1-UP; 6YB1-UP; 3TC1-UP; 4PC1-UP; 10E1-UP; 13E1-UP; 83Z1-UP)

3304B (S/N: DED1-UP; 1YF1-UP; 2KK1-UP; 9HK1-UP; 8XL1-UP; 1NS1-UP; 1PS1-UP)

3306 (S/N: 4WB1-UP; 7HB1-UP; 2ZC1-UP; 23C1-UP; 5JC1-UP; 66D1-UP; 67D1-UP; 68D1-UP; 7KF1-UP; 76R1-UP; 64Z1-UP; 84Z1-UP; 85Z1-UP)

3306B (S/N: EFA1-UP; 7JB1-UP; B8D1-UP; 5KD1-UP; 1DG1-UP; 3RG1-UP; 2AJ1-UP; 8JJ1-UP; 9SL1-UP; 1BM1-UP; 2TM1-UP; 9NR1-UP; 1RS1-UP; 8NS1-UP; 9DS1-UP; LRW1-UP; 5GZ1-UP; 63Z1-UP; 1CZ1-UP)

3306C (S/N: 7RJ1-UP; 9TL1-UP; 3KS1-UP; 2AZ1-UP)

D330C (S/N: 02B1-UP; 04B1-UP; 05B1-UP)

D333C (S/N: 23C1-UP; 66D1-UP; 67D1-UP)

G3304 (S/N: N4F1-UP; 1RG1-UP; 37Y1-UP)

G3304B (S/N: A4E1-UP)

G3306 (S/N: JCA1-UP; 3CF1-UP; 4DL1-UP; CNR1-UP; G6X1-UP; 07Y1-UP)

G3306B (S/N: R6S1-UP)

G333C (S/N: 68D1-UP)

Engine:

3304 (S/N: 78P1-UP)

Engine:

3304 (S/N: H4G1-UP)

Engine:

3306 (S/N: 03N1-UP)

3306 (S/N: R6J1-UP; 62Z1-UP)

D342 Veh Eng (S/N: 17S1-UP)

Engine:

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3304 (S/N: 07Z1-UP)

3306 (S/N: 08Z1-UP)

Introduction

The problem that is identified now has a known permanent solution. Components to perform repairs are limited at this time. Review the solution below for further details.

Problem

Caterpillar is aware of recent failures of the **8N-1721** Connecting Rod and the **8N-1984** Connecting Rod on certain diesel and gas applications of 3300 engines. Primary failure mode is a ventilated cylinder block due to the connecting rod crank end failure. All failures have occurred before 500 hours in service. Root cause has been identified and the team is working to resolve the issue.

Solution

A "Quality Hold" is active for all new assemblies that utilize the **8N-1984** Connecting Rod and the **8N-1721** Connecting Rod manufactured between 01April 2011 and 31December 2012. The "Quality Hold" is applicable to all Morton service stock also.

Cat[®] Reman has identified a list of part numbers for Service kits, Piston Packs, and Rod Assembly boxes that may contain defective factory connecting rod assemblies. Dealers are advised not to use any factory new connecting rod assemblies that are found in the kits or assemblies prior to examination. Refer to Table 1.

Table 1

Service kit, Piston Pack, and Rod Assembly Part Numbers That May Contain the Defective New Connecting Rod Assemblies		
8N-1721	20R-1439	20R-1474
0R-1696	20R-1428	20R-1660
0R-1697	0R-9206	20R-1442
0R-3043	20R-1462	20R-1482
10R-3637	20R-1455	20R-1483
10R-9259	20R-1477	20R-1451
0R-1694	20R-1472	20R-1450
0R-4284	20R-1448	20R-1445
0R-1695	20R-1446	20R-1443
0R-4635	20R-1468	20R-1426

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0R-4488	20R-1466	20R-1423
0R-4506	20R-1441	0R-2078
0R-3044	20R-1437	0R-3258
0R-2080	20R-1435	20R-1665
0R-3259	20R-1434	20R-1663
0R-3612	20R-1429	20R-1675
0R-3610	20R-1424	0R-3661
10R-6152	0R-2557	0R-1692
20R-1673	0R-2079	0R-1693
20R-1664	20R-1341	0R-3660
0R-4949	0R-2555	0R-3662
0R-9205	0R-3613	20R-1127
0R-2556	0R-4956	8N-1984
0R-3706	0R-2554	
10R-1851	0R-4948	
10R-1636	10R-0889	
10R-1840	0R-3611	
0R-2077	10R-7253	
20R-1454	0R-7444	

When an **engine** failure occurs due to the connecting rod assembly, dealers are asked to contact the Dealer Solution Network (DSN) Tier 2 core **engine** service **engineer** at Mossville **Engine** Center (MEC) to expedite support to the customer.

To support field repairs and rebuilds, dealers are advised to inspect the manufacture date on any 3304, G3304, 3306, or G3306 **engine** with the **8N-1984** Connecting Rod , the **8N-1721** Connecting Rod , the **0R-0914** Connecting Rod , and the **0R-0915** Connecting Rod , used to perform repairs. If the manufacture date is within the suspect date range, do not use the part. Parts stocking service letters will be released soon to address suspect material in dealer inventories.

Markings on the Suspect 8N-1984 Connecting Rod and the 8N-1721 Connecting Rod

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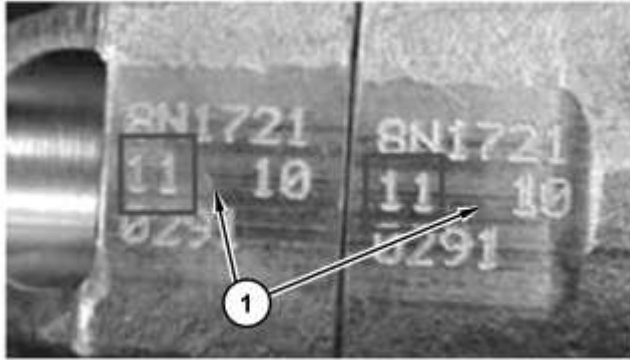


Illustration 1

g03342875

(1) Date code markings

Note: Do not use factory new connecting rod assemblies with manufacturing dates between April 2011 and December 2012.

These defective factory new rod assemblies do not have any marking on the machined bottom face of the connecting rod cap.

- First pair of digits is year
- Second pair of digits is month

Refer to Illustration 1.

Markings on the Correct 0R-0914 Connecting Rod and the 0R-0915 Connecting Rod



Illustration 2

g03342881

(2) One type of marking

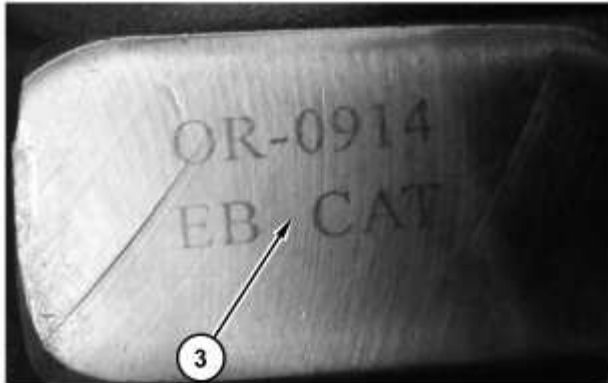


Illustration 3

g03342893

(3) Other type of marking

Only use Genuine CAT Reman connecting rod assemblies. The genuine CAT Reman connecting rod assemblies can be identified by viewing the connecting rod cap from the bottom face. The defective factory new rod assemblies do not have any marking on this machine surface. Genuine CAT Reman connecting rod assemblies have one of the two markings shown Illustrations 2 and 3.

[Frs | uljkw#1 << 6 #0 5346 #P dwhus kdu#cf1](#)

[Wxh#P du#8 #1 8=85=87 #P VW#5 346](#)

[D@#U jkw#U hvhu#q1](#)

[Sulydwh#Ohwz run#ru#IV Ofhqvhhv1](#)