

CPI 375841 C7 & C8.8 Injector Check Seal Fuel Leak in Engine Oil (3879433)

(Status Updated: 30Aug2017)

CPI Number: 375841

Status: Open , Active

6 Sigma Phase: Improve

Commercial Impact:

Initial Project Activation Date: 02Aug2016

Target Completion Date: 17Aug2018

Models: [\(More...\)](#)

(120K),	(120K 2),	(120K 2 OEM),	(12K),	(12M),	(140G),	(140K),	(140K 2),
(140M),	(14L),	(160K),	(160M),	(2390),	(2491),	(2510),	(2570),
(2748),	(3126E),	(323D OEM),	(324D),	(324D FM),	(324D FM HEEL),	(324D FM LGP),	(324D L),
(324D LN),	(324D LN OEM),	(324D OEM),	(325D),	(325D FM),	(325D FM BUTT N),	(325D FM HEEL),	(325D L),
(325D L OEM),	(325D MH FCR),	(325D MH HCR),	(325D OEM),	(326D L),	(328D),	(328D LCR),	(328D LCR OEM),

Symptom/Description:

Fuel leaking past injector tip seal, into engine oil. Highest failure rate on 336D Excavators, located in China.
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Part Number: [\(More...\)](#)

10R-2828 (INJECTOR GP-FUEL)	10R-4761 (INJECTOR GP-FUEL)	10R-4762 (INJECTOR GP-FUEL)
10R-4763 (INJECTOR GP-FUEL)	10R-4764 (INJECTOR GP-FUEL)	10R-4843 (INJECTOR GP-F -E)
10R-4844 (INJECTOR GP-FUEL)	10R-7221 (INJECTOR GP-FUEL)	10R-7222 (INJECTOR GP-FUEL)
10R-7223 (INJECTOR GP-FUEL)	10R-7225 (INJECTOR GP-FUEL)	10R-7226 (INJECTOR GP-FUEL)
20R-1260 (INJECTOR GP-FUEL)	267-3360 (INJECTOR GP-F -E)	293-4072 (INJECTOR GP-F -A)

Dealer Status:

Completed successful 1000-hr bench test on new bronze seal. Currently preparing for 1000-hr China field test. First seven (7) sets of test injectors have been installed and have already accumulated 300-450 hours. Test duration planned for 1000 hours.

Interim Action Info:

Repair Type: Field

Repair Action: Caterpillar is aware of this problem, but an Interim Repair has not been defined. Please replace with same part.

Repair Eff S/N: 109[00001-99999], 17Z[00001-99999], 1HB[00001-99999], 1SL[00001-99999], 20W[00001-99999], 21W[00001-99999], 22W[00001-99999], 23W[00001-99999], 4JB[00001-99999], 4YG[00001-99999], 511[00001-99999], 521[00001-99999], 522[00001-99999], 525[00001-99999], 532[00001-99999], 535[00001-99999], 541[00001-99999], 545[00001-99999], 550[00001-99999], 551[00001-99999], 552[00001-99999], 563[00001-99999], 573[00001-99999], 70W[00001-99999], 72V[00001-99999], 99Y[00001-99999], A3R[00001-99999], A6M[00001-99999], A6P[00001-99999], AWN[00001-99999], AZP[00001-99999], B6H[00001-99999], B92[00001-99999], B94[00001-99999], B9D[00001-99999], B9E[00001-99999], B9G[00001-99999], B9L[00001-99999], B9M[00001-99999], B9T[00001-99999], BBF[00001-99999], BFC[00001-99999], BK5[00001-99999], BNW[00001-99999], BPW[00001-99999], BTK[00001-99999], BXG[00001-99999], BXW[00001-99999], BYE[00001-99999], BYH[00001-99999], BYN[00001-99999], BYS[00001-99999], BZR[00001-99999], C3N[00001-99999], C4H[00001-99999], C5K[00001-99999], C6Z[00001-99999], C7D[00001-99999], C7K[00001-99999], C7P[00001-99999], C8L[00001-99999], C9E[00001-99999], C9M[00001-99999], C9Y[00001-99999], CJM[00001-99999], CJX[00001-99999], CKP[00001-99999], CYW[00001-99999], CZF[00001-99999], D3D[00001-99999], D9G[00001-99999], D9T[00001-99999], DAP[00001-99999], DBD[00001-99999], DBH[00001-99999], DBZ[00001-99999], DC8[00001-99999], DEX[00001-99999], DEY[00001-99999], DFJ[00001-99999], DFP[00001-99999], DJF[00001-99999], DJG[00001-99999], DJR[00001-99999], DLM[00001-99999], DLN[00001-99999], DMK[00001-99999], DPS[00001-99999], DSH[00001-99999], DTS[00001-99999], DTZ[00001-99999], EAD[00001-99999], EAH[00001-99999], EBM[00001-99999], ECH[00001-99999], EDF[00001-99999], EDX[00001-99999], EFT[00001-99999], EJC[00001-99999], ELR[00001-99999], EMM[00001-99999], EMX[00001-99999], ERK[00001-99999], ERN[00001-99999], ETE[00001-99999], EXL[00001-99999], EXW[00001-99999], F7B[00001-99999], F7C[00001-99999], F7D[00001-99999], F7G[00001-99999], F7N[00001-99999], FAC[00001-99999], FAJ[00001-99999], FAR[00001-99999], FBT[00001-99999], FFK[00001-99999], FLA[00001-99999], FML[00001-99999], FMM[00001-99999], GBC[00001-99999], GBR[00001-99999], GCT[00001-99999], GE8[00001-99999], GGE[00001-99999], GGH[00001-99999], GJA[00001-99999], GJB[00001-99999], GMN[00001-99999], GPB[00001-99999], GPK[00001-99999], GRN[00001-99999], GTN[00001-99999], H23[00001-99999], H3D[00001-99999], H3N[00001-99999], HAS[00001-99999], HBH[00001-99999], HBK[00001-99999], HBZ[00001-99999], HCD[00001-99999], HDC[00001-99999], HHK[00001-99999], HKE[00001-99999], J2F[00001-99999], J5J[00001-99999], J6D[00001-99999], J6J[00001-99999], J8D[00001-99999], J9D[00001-99999], JAP[00001-99999], JAT[00001-99999], JBF[00001-99999], JBP[00001-99999], JBT[00001-99999], JEE[00001-99999], JEN[00001-99999], JER[00001-99999], JGK[00001-99999], JHB[00001-99999], JHJ[00001-99999], JJA[00001-99999], JJG[00001-99999], JJM[00001-99999], JKL[00001-99999], JKR[00001-99999], JLP[00001-99999], JLS[00001-99999], JLX[00001-99999], JPA[00001-99999], JRT[00001-99999], JRX[00001-99999], JSC[00001-99999], JTC[00001-99999], JTF[00001-99999], JTN[00001-99999], JWR[00001-99999], JZR[00001-99999], K2A[00001-99999], K5K[00001-99999], K6K[00001-99999], KAB[00001-99999], KAY[00001-99999], KBE[00001-99999], KDG[00001-99999], KDJ[00001-99999], KGG[00001-99999], KJL[00001-99999], KJR[00001-99999], KKT[00001-99999], KLW[00001-99999], KLX[00001-99999], L5G[00001-99999], L5H[00001-99999], L5K[00001-99999], L5S[00001-99999], L5X[00001-99999], LAB[00001-99999], LAE[00001-99999], LAL[00001-99999], LAY[00001-99999], LBD[00001-99999], LBW[00001-99999], LBX[00001-99999], LCJ[00001-99999], LCP[00001-99999], LDR[00001-99999], LDX[00001-99999], LEM[00001-99999], LFE[00001-99999], LFM[00001-99999], LFR[00001-99999], LFW[00001-99999], LGP[00001-99999], LKJ[00001-99999], LMG[00001-99999], LN9[00001-99999], LRM[00001-99999], LX9[00001-99999], M2P[00001-99999], M3B[00001-99999], M3M[00001-99999], M3N[00001-99999], M3S[00001-99999], M4A[00001-99999], M4K[00001-99999], M4T[00001-99999], M5M[00001-99999], M7A[00001-99999], MAL[00001-99999], MBP[00001-99999], MCL[00001-99999], MDS[00001-99999], MEH[00001-99999], MEY[00001-99999], MFA[00001-99999], MKR[00001-99999], MNB[00001-99999], MND[00001-99999], MPL[00001-99999], MRT[00001-99999], MTJ[00001-99999], MWP[00001-99999], MXL[00001-99999], MYG[00001-99999], MYP[00001-99999], N1A[00001-99999], N4A[00001-99999], NAC[00001-99999], NAH[00001-99999], NB3[00001-99999], NBD[00001-99999], NBN[00001-99999], NBP[00001-99999], NEF[00001-99999], NGP[00001-99999], NLS[00001-99999], P3H[00001-99999], P5J[00001-99999], P7L[00001-99999], P7Z[00001-99999], P9L[00001-99999], P9W[00001-99999], PAK[00001-99999], PAL[00001-99999], PBK[00001-99999], PCK[00001-99999], PCL[00001-99999], PCW[00001-99999], PDZ[00001-99999], PEH[00001-99999], PEL[00001-99999], PEZ[00001-99999], PFC[00001-99999], PGW[00001-99999], PGZ[00001-99999], PJM[00001-99999], PKE[00001-99999], PPN[00001-99999], PPP[00001-99999], PRF[00001-99999], PRY[00001-99999], PTB[00001-99999], PYT[00001-99999], R2D[00001-99999], R75[00001-99999], R7B[00001-99999], R7C[00001-99999], R7H[00001-99999], RAS[00001-99999], RBJ[00001-99999], RDA[00001-99999], RDK[00001-99999], REH[00001-99999], RFC[00001-99999], RGG[00001-99999], RJK[00001-99999], RLW[00001-99999], RMF[00001-99999], RMX[00001-99999], RRH[00001-99999], RSK[00001-99999], S6T[00001-99999], S6X[00001-99999], S6Y[00001-99999], SCR[00001-99999], SCY[00001-99999], SER[00001-99999], SJB[00001-99999], SKE[00001-99999], SKL[00001-99999], SKY[00001-99999], SL5[00001-99999], SMC[00001-99999], SNK[00001-99999], SRB[00001-99999], SRC[00001-99999], SSA[00001-99999], SSS[00001-99999], SWF[00001-99999], SXR[00001-99999], SYM[00001-99999], SZL[00001-99999], SZM[00001-99999], SZN[00001-99999], SZP[00001-99999], SZS[00001-99999], SZW[00001-99999], SZZ[00001-99999], T2D[00001-99999], T2S[00001-99999], TAY[00001-99999], TB2[00001-99999], TBC[00001-99999], TEF[00001-99999], THJ[00001-99999], TLY[00001-99999], TPM[00001-99999], TPX[00001-99999], TRH[00001-99999], TRN[00001-99999], TSK[00001-99999], TSN[00001-99999], TTT[00001-99999], TZL[00001-99999], W3K[00001-99999], WBC[00001-99999], WCB[00001-99999], WCG[00001-99999], WDC[00001-99999], WDK[00001-99999], WET[00001-99999], WFB[00001-99999], WFH[00001-99999], WHA[00001-99999], WLT[00001-99999]

99999],WRG[00001-99999],WRK[00001-99999],X3N[00001-99999],X3R[00001-99999],X9X[00001-99999],X9Y[00001-99999],XBH[00001-99999],XDB[00001-99999],YAE[00001-99999],YCF[00001-99999],YFW[00001-99999],Z2X[00001-99999],ZCT[00001-99999],ZEB[00001-99999],ZML[00001-99999],LAM[00001-99999]

Pub Type: No Data Available.

Pub Number: No Data Available.

Pub Date: No Data Available.

Root Cause:

1: The current check-seal material deteriorates due to high soot content in some engine oils. This allows fuel to leak into engine oil.

Caterpillar Confidential: Yellow

[CPI IT Help Desk](#)

[Data Privacy](#)

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