

CPI Reman Corinth -C18 LINER-CYLINDER CRACKED 5169693

(Status Updated: 28Feb2018)

CPI Number: 414053

Status: Open , Active

6 Sigma Phase: Improve

Commercial Impact:

Initial Project Activation Date: 28Feb2018

Target Completion Date: 21Feb2019

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

(24M),	(365C L FS),	(385C),	(385C FS),	(385C L),	(385C L MH),	(385C MH OEM),	(385C OEM),
(390D),	(390D L),	(390F),	(390F L),	(390F MH OEM),	(390F OEM),	(6015),	(6015 FS),
(6015B),	(6018),	(6018 FS),	(631E),	(631G),	(631G OEM),	(631K),	(631K OEM),
(633E),	(637E),	(637G),	(637K),	(657E),	(657G),	(657G OEM),	(740 EJ),
(740C EJ),	(745),	(745 OEM),	(745C),	(745C OEM),	(772),	(772 OEM),	(772G),

Symptom/Description:

Finding instances of oil in the coolant C18 Cylinder Liner have been found cracked radially in the top o-ring groove in C18 engines around the world. The 5169693 liner was introduced between March 2017 and November 2017 for Reman cylinder packs, short blocks, long blocks, and engines. Failures typically occur below 1000 hours.

Part Number:

516-9693 (LINER-CYLINDER)

Dealer Status:

The purpose of this project is to communicate Reman specific detail regarding CPI 406830 - C18 Liner Cylinder Cracking (5169693). Refer to CPI 406830 for progress on PCA and project status. Reman Updates include production containment complete. Next Steps: Parts stock service letter.

Interim Action Info:

Repair Type: Field

Repair Action: Parts Stock Service Letter - C18 Reman Cylinder Packs stored at dealers without being installed.

Repair Eff S/N: 188[00001-00056], 1AB[00001-76001], 1FB[00001-75008], 1JB[00001-75420], 2PS[00001-00319], 3F6[00001-00565], 3F7[00001-00273], 3T6[00001-00592], 3T7[00001-00165], 5YR[00001-75002], 6TR[00001-75002], 90Z[00001-76002], 91Z[00001-75025], A4G[00001-00100], A7A[00001-00333], AN2[00001-00127], AR3[00001-00284], B37[00001-98198], B93[00001-00225], B9K[00001-75002], BDN[00001-02790], BE2[00001-00150], BG4[00001-00471], BNH[00001-76001], BRL[00001-76001], BTX[00001-78004], BXD[00001-

76002],BXY[00001-78007],BYP[00001-00148],C1J[00001-01135],C6C[00001-00733],CJP[00001-00223],CKH[00001-03277],CYN[00001-00789],DCT[00001-00136],DDS[00001-00006],DEM[00001-99999],DEX[00001-99999],DFA[00001-75001],DFJ[00001-00558],DHB[00001-40333],DHD[00001-18214],DHF[00001-15915],DHT[00001-90188],DKE[00001-00557],DNW[00001-78001],DTP[00001-00473],DXE[00001-00164],DXG[00001-00104],E1Y[00001-00101],EAM[00001-00332],EDA[00001-00557],EJG[00001-81001],EKW[00001-01677],ESE[00001-00101],EWX[00001-00154],EXB[00001-00104],F8N[00001-20120],FEH[00001-20021],FKD[00001-00119],G4C[00001-04926],GAY[00001-20016],GBM[00001-01449],GEN[00001-00284],GER[00001-00100],GES[00001-01273],GEX[00001-05288],GJE[00001-01911],GRS[00001-00100],GTB[00001-05151],GXM[00001-21300],H27[00001-90216],HJD[00001-20030],HSM[00001-00306],HTX[00001-00102],J2K[00001-00262],J2M[00001-00101],JB9[00001-00173],JCF[00001-00107],JCM[00001-00185],JDA[00001-01027],JE8[00001-90122],JE9[00001-00102],JEL[00001-00448],JFC[00001-00180],JHL[00001-00740],JHW[00001-90101],JKS[00001-01160],JKX[00001-01988],JLE[00001-05982],JRP[00001-76001],JWH[00001-00117],JZB[00001-01526],KCZ[00001-00180],KEX[00001-00361],KGB[00001-00498],KJT[00001-00209],KKK[00001-00226],KMS[00001-99999],L4Y[00001-00201],L8D[00001-00491],L8X[00001-00204],LFK[00001-01113],LH9[00001-00153],LKX[00001-00102],LNB[00001-02277],LTS[00001-00446],LTX[00001-00210],LWX[00001-00790],LWY[00001-00762],LWZ[00001-00231],LXK[00001-02201],LZB[00001-00214],M1Y[00001-00299],M1Z[00001-01921],MDP[00001-06220],ME5[00001-00103],MEP[00001-02534],MGF[00001-10015],MGS[00001-00921],MMA[00001-00307],MNZ[00001-00172],MPE[00001-00101],MSF[00001-00119],N1C[00001-00545],N1D[00001-00940],N8F[00001-00899],NAW[00001-91001],NAX[00001-00043],NAY[00001-00137],NBB[00001-00214],NKK[00001-00111],NR7[00001-99999],P1C[00001-00653],P1M[00001-00324],P1N[00001-99999],P2N[00001-99999],P8N[00001-99999],P8T[00001-99999],PA6[00001-99999],PA9[00001-00303],PAR[00001-00272],PCF[00001-00123],PCZ[00001-00176],PDC[00001-00151],PEE[00001-00111],PEJ[00001-00240],PHW[00001-00152],PLE[00001-00644],PNM[00001-00295],PT7[00001-00102],PWY[00001-99999],PYE[00001-10101],REX[00001-00532],RJS[00001-78016],RLB[00001-76001],RRC[00001-00578],RT8[00001-00101],SBE[00001-00529],SL8[00001-00110],SMB[00001-99999],SSM[00001-00186],SSW[00001-00152],STD[00001-00229],STM[00001-01776],T2E[00001-76001],T2F[00001-00188],T2P[00001-05226],T2R[00001-05720],T34[00001-00281],T35[00001-00115],T4X[00001-00206],T4Y[00001-00511],T8E[00001-00105],TFK[00001-01693],TFN[00001-00202],TLZ[00001-00100],TNA[00001-05381],TNM[00001-01096],TWG[00001-00795],TWX[00001-01383],TWY[00001-00708],TWZ[00001-00653],TYE[00001-00223],W1B[00001-75001],W1C[00001-00378],W1E[00001-00236],W1F[00001-75001],WAG[00001-00327],WAP[00001-00853],WAW[00001-76001],WBT[00001-00325],WJB[00001-00521],WJH[00001-81006],WJW[00001-81001],WJY[00001-00676],WKB[00001-00434],WRH[00001-10464],WT4[00001-00101],WT6[00001-00101],WTR[00001-00119],WTS[00001-00127],WTT[00001-00102],WTW[00001-00106],X5F[00001-00107],Z9K[00001-00558],ZKB[00001-00123],ZPS[00001-00297],175[00001-99999],SAY[00001-99999],ZAY[00001-99999],LR5[00001-99999],RGX[00001-99999]

Pub Type: No Data Available.

Pub Number: No Data Available.

Pub Date: No Data Available.

Root Cause:

1: Process change in the induction harden heat treat process causing a change in heat affected depth, which brings about a subsurface tensile residual stress state in the upper groove of the lower o-ring set.

Caterpillar Confidential: Yellow

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