

Attachment 1: DCL International Mine-X Sootfilter® Diesel Particulate Filter

Off-road Certified Engine Family List (0<=0.15 g/bhp-hr PM) for Stationary Prime and Emergency Standby Power Generation, Pumps, and Compressors. CA/DCL/2008/PM3+/N00/ST/DPF01

Model Year 1996 Engines

Manufacturer	Engine Families
Caterpillar	TCP10.RZDBRD
Caterpillar	TCP10.RZDBRF
Caterpillar	TCP10.RZDBRK
Caterpillar	TCP12.RZDBRM
Caterpillar	TCP14.RZDBRC
Caterpillar	TCP14.RZDBRK
Caterpillar	TCP18.RZDBRK
Caterpillar	TCP18.RZDBRN
Caterpillar	TCP27.RZDBRK
Caterpillar	TCP27.RZDBRP
Caterpillar	TCP7.2RZDBRK
Cummins	TCE359R6DTRA
Cummins	TCE505R6DTRD
Cummins	TCE661RGDTRA
Cummins	TCE855RGDTRA
Cummins	TCE855RJDTRA
Detroit Diesel Corporation	TDD11.TJDARE
Detroit Diesel Corporation	TDD12.TJDARE
Detroit Diesel Corporation	TDD8.5TJDARE
Deere	TJD10.RJDBRA
Deere	TJD10.RJDBRB
Deere	TJD12.RJDBRA
Deere	TJD8.1R6DBRB
Deutz AG	TDZ7.1R6DARB
Generac	TGN13.R6DARA
Iveco	TVE9.5R6DARA
Komatsu	TKL15.RZDARA
Navistar	TNV466R6DARA
Navistar	TNV466R6DARB
Navistar	TNV466R6DASD
Navistar	TNV530R6DARA
Navistar	TNV530R6DARB
Navistar	TNV530R6DASD
Navistar	TNV530R8DASC
Navistar	TNV530R8DASE
Volvo	TVS12.R6DARA
Volvo	TVS16.R6DARA
Volvo	TVS6.7R6DARA
Volvo	TVS9.6R6DARA

Engine Family CA/DCL/2008/PM3+/N00/ST/DPF01

Model Year 1997 Engines

Manufacturer	Engine Families
Caterpillar	VCP10.RZDARK
Caterpillar	VCP12.RZDARM
Caterpillar	VCP14.RZDARC
Caterpillar	VCP14.RZDARK
Caterpillar	VCP18.RZDARK
Caterpillar	VCP27.RZDARK
Caterpillar	VCP27.RZDARN
Caterpillar	VCP27.RZDARP
Caterpillar	VCP442DZDARK
Caterpillar	VCP7.2RZDARK
Cummins	VCE359R6DTRB
Cummins	VCE505R6DTRD
Cummins	VCE661RGDTRA
Cummins	VCE855RGDTRA
Detroit Diesel Corporation	VDD11.TJDARE
Detroit Diesel Corporation	VDD12.TG4ARE
Detroit Diesel Corporation	VDD12.TJDARE
Detroit Diesel Corporation	VDD8.5TJDARE
Detroit Diesel Corporation	VDD9.0TJ30AE
Deere	VJD10.RJDBRA
Deere	VJD10.RJDBRB
Deere	VJD12.RJDBRA
Deere	VJD12.RJDBRB
Deere	VJD8.1RBDRB
Deutz AG	VDZ16.RGDARA
Deutz AG	VDZ16.RGDARB
Deutz AG	VDZ7.1R6DARB
Generac	VGN13.R6DARA
Iveco	VVE9.5R6DARA
Navistar	VNV466R6DASC
Navistar	VNV466R6DASD
Navistar	VNV530R6DARA
Navistar	VNV530R6DARB
Navistar	VNV530R6DASC
Navistar	VNV530R6DASD
Navistar	VNV530R8DARA
Navistar	VNV530R8DASC
Navistar	VNV530R8DASE
Volvo	VVS12.R6DARA
Volvo	VVS16.R6DARA
Volvo	VVS6.7R6DARA

Model Year 1998 Engines

Manufacturer	Engine Families
AB Volvo Penta	WVPXL06.7ABA
AB Volvo Penta	WVPXL09.6ABA
AB Volvo Penta	WVPXL09.6ACB
AB Volvo Penta	WVPXL12.0ABA
AB Volvo Penta	WVPXL12.0ACB
Case	WX9XL0239ACA
Case	WX9XL0359ABA
Case	WX9XL0505ABC
Caterpillar	WCPXL07.2HRK
Caterpillar	WCPXL07.2MRC
Caterpillar	WCPXL10.3ERK
Caterpillar	WCPXL10.5MRD
Caterpillar	WCPXL10.5MRF
Caterpillar	WCPXL10.5MRG
Caterpillar	WCPXL12.0ERM
Caterpillar	WCPXL14.6MRC
Caterpillar	WCPXL14.6MRJ
Caterpillar	WCPXL15.8ERK
Caterpillar	WCPXL18.0HRK
Caterpillar	WCPXL27.0HRK
Caterpillar	WCPXL27.0HRP
Cummins	WCEXL0359ABB
Cummins	WCEXL0239ACA
Cummins	WCEXL0359ABA
Cummins	WCEXL0505ACA
Cummins	WCEXL0661AAA
Cummins	WCEXL0855AAB
Cummins	WCEXL0855AAA
Cummins	WCEXL0359ACA
Cummins	WCEXL0505ABC
Daewoo	WDWXL03.3AMN
Daewoo	WDWXL03.3LMN
Daewoo	WDWXL05.8AOA
Daewoo	WDWXL05.8ARN
Daewoo	WDWXL08.1ADT
Daewoo	WDWXL11.1BHT
Daewoo	WDWXL11.1BIA
Daewoo	WDWXL14.6CVT
Deere	WJDXL08.1008
Deere	WJDXL10.5003
Deere	WJDXL10.5004
Deere	WJDXL12.5001
Deere	WJDXL12.5002
Deere	WJDXL06.8012
Deere	WJDXL08.1007
Deere	WJDXL08.1008
Deere	WJDXL08.1009

Manufacturer	Engine Families
Deere	WJDXL10.5003
Deere	WDWXL03.3AMN
Detroit Diesel Corporation	WDDXH08.5EJD
Detroit Diesel Corporation	WDDXH08.5FJC
Detroit Diesel Corporation	WDDXH11.1EHD
Detroit Diesel Corporation	WDDXL08.5TJD
Detroit Diesel Corporation	WDDXL11.1THD
Detroit Diesel Corporation	WDDXL12.1TFM
Detroit Diesel Corporation	WDDXL12.7TGD
Detroit Diesel Corporation	WDDXL15.9TRE
Detroit Diesel Corporation	WDDXL23.9TRE
Detroit Diesel Corporation	WDDXH08.5EJD
Detroit Diesel Corporation	WDDXH08.5FJC
Detroit Diesel Corporation	WDDXH11.1EHD
Detroit Diesel Corporation	WDDXL08.5TJD
Detroit Diesel Corporation	WDDXL11.1THD
Detroit Diesel Corporation	WDDXL12.1TFM
Detroit Diesel Corporation	WDDXL12.7TGD
Detroit Diesel Corporation	WDDXL15.9TRE
Detroit Diesel Corporation	WDDXL23.9TRE
Deutz	WDZXL02.7013
Deutz	WDZXL02.7014
Deutz	WDZXL02.9012
Deutz	WDZXL07.1003
Deutz	WDZXL07.1004
Deutz	WDZXL15.9001
Deutz	WDZXL15.9002
Generac	WGNXL13.3HTA
Komatsu	WKDXL0239ACA
Komatsu	WKDXL0359ABA
Komatsu	WKDXL0359ACA
Komatsu	WKLXL15.2EB1
Komatsu	WKLXL15.2EC1
Komatsu	WKLXL7.15CB1
MTU	WMUXL12.0G2V
Navistar	WNVXL0530BNA
Navistar	WNVXL0530BNB
Navistar	WNVXL0530BNC
Navistar	WNVXL0530BND
Navistar	WNVXL0466BNA
Navistar	WNVXL0530ANA
Navistar	WNVXL0530ANB
Sisu	WSIDL07.4D4A
Sisu	WSIDL08.4F3A
Volvo	WVSXL06.7CE1
Volvo	WVSXL09.6CE1
Volvo	WVSXL12.0CE1
Volvo	WVSXL16.0CE1
Yanmar	WYDXL2.00D4T

Model Year 1999 Engines

Manufacturer	Engine Families
AB Volvo Penta	XVPXL06.7ABA
AB Volvo Penta	XVPXL07.3ABB
AB Volvo Penta	XVPXL07.3ACB
AB Volvo Penta	XVPXL09.6ABA
AB Volvo Penta	XVPXL09.6ACB
AB Volvo Penta	XVPXL12.0ABA
AB Volvo Penta	XVPXL12.0ACB
Case	XX9XL0239ACA
Case	XX9XL0359ABA
Case	XX9XL0505ABC
Caterpillar	XCPXL07.2HRK
Caterpillar	XCPXL10.3ERK
Caterpillar	XCPXL10.5MRD
Caterpillar	XCPXL10.5MRG
Caterpillar	XCPXL12.0ERM
Caterpillar	XCPXL14.6ERK
Caterpillar	XCPXL14.6MRC
Caterpillar	XCPXL15.8ERK
Caterpillar	XCPXL18.0HRK
Caterpillar	XCPXL27.0HRK
Caterpillar	XCPXL27.0HRN
Caterpillar	XCPXL27.0HRP
Cummins	XCEXL0359ABB
Cummins	XCEXL0239ACA
Cummins	XCEXL0359ABA
Cummins	XCEXL0505ACA
Cummins	XCEXL0661AAA
Cummins	XCEXL0661AAB
Cummins	XCEXL0855AAA
Cummins	XCEXL0855AAB
Cummins	XCEXL03.3AAB
Cummins	XCEXL0359ACA
Cummins	XCEXL0505ABC
Daewoo	XDWXL03.3AMN
Daewoo	XDWXL03.3LMN
Daewoo	XDWXL05.8AOA
Daewoo	XDWXL05.8ARN
Daewoo	XDWXL05.8ATT
Daewoo	XDWXL08.1ACN
Daewoo	XDWXL08.1ADT
Daewoo	XDWXL11.1BHT
Daewoo	XDWXL11.1BIA
Daewoo	XDWXL03.3BMA
Daewoo	XDWXL11.1DJA
Daewoo	XDWXL14.6AZA
Daewoo	XDWXL18.3ASA
Daewoo	XDWXL2.37ANT

Manufacturer	Engine Families
Detroit Diesel Corporation	XDDXL08.5TJD
Detroit Diesel Corporation	XDDXL11.1THD
Detroit Diesel Corporation	XDDXL12.1TFM
Detroit Diesel Corporation	XDDXL12.7TGD
Detroit Diesel Corporation	XDDXL14.0TLD
Detroit Diesel Corporation	XDDXL15.9TRE
Detroit Diesel Corporation	XDDXL23.9TRE
Deere	XJDXL10.5004
Deere	XJDXL10.5022
Deere	XJDXL12.5001
Deere	XJDXL12.5002
Deere	XJDXL12.5020
Deere	XJDXL12.5021
Deutz AG	XDZXL02.7014
Deutz AG	XDZXL02.7014
Deutz AG	XDZXL02.7015
Deutz AG	XDZXL02.9013
Deutz AG	XDZXL07.1004
Deutz AG	XDZXL07.1005
Deutz AG	XDZXL15.9002
Deutz AG	XDZXL15.9003
Generac	XGNXL13.3HTA
Komatsu	XKDXL0239ACA
Komatsu	XKDXL0359ABA
Komatsu	XKDXL0359ACA
Komatsu	XKLXL15.2EB1
Komatsu	XKLXL15.2EC1
Komatsu	XKLXL23.2FD1
Komatsu	XKLXL7.15CB1
KUBOTA	XKBXL03.3BAC
KUBOTA	XKBXL03.3BCC
Navistar	XNVXL0530BNA
Navistar	XNVXL0530BNB
Navistar	XNVXL0530BNC
Navistar	XNVXL0530BND
Navistar	XNVXL0466ANA
Navistar	XNVXL0466BNA
Navistar	XNVXL0530ANA
Navistar	XNVXL0530ANB
Navistar	XNVXL0530ANC
Sisu	XSIDL04.4B2A
Sisu	XSIDL07.4D4A
Volvo	XVSXL06.7CE1
Volvo	XVSXL09.6CE1
Volvo	XVSXL12.0CE1
Volvo	XVSXL16.0CE1
Yanmar	XYDXL2.00D4T
Yanmar	XYDXL2.19D4N
Yanmar	XYDXL2.78D4N

Manufacturer	Engine Families
Yanmar	XYDXL4.41D4N
Yanmar	XYDXL4.41D4T

Model Year 2000 Engines

Manufacturer	Engine Families
AB Volvo Penta	YVPXL05.5AAA
AB Volvo Penta	YVPXL06.7ABA
AB Volvo Penta	YVPXL07.3ABB
AB Volvo Penta	YVPXL07.3ACB
AB Volvo Penta	YVPXL09.6ABA
AB Volvo Penta	YVPXL09.6ACB
AB Volvo Penta	YVPXL12.0ABA
AB Volvo Penta	YVPXL12.0ACB
AB Volvo Penta	YVPXL16.0ABA
Case	YX9XL0239ACA
Case	YX9XL0239ADA
Case	YX9XL0359ABA
Case	YX9XL0359ABB
Case	YX9XL0505ABC
Caterpillar	YCPXL69.0ERK
Caterpillar	YCPXL07.2HRK
Caterpillar	YCPXL10.3ERK
Caterpillar	YCPXL10.5MRD
Caterpillar	YCPXL10.5MRG
Caterpillar	YCPXL12.0ERM
Caterpillar	YCPXL14.6ERK
Caterpillar	YCPXL14.6MRC
Caterpillar	YCPXL14.6MRJ
Caterpillar	YCPXL15.8ERK
Caterpillar	YCPXL18.0HRK
Caterpillar	YCPXL18.0HRN
Caterpillar	YCPXL27.0HRK
Caterpillar	YCPXL27.0HRN
Caterpillar	YCPXL27.0HRP
Caterpillar	YCPXL27.0MRS
Caterpillar	YCPXL27.0MRT
Caterpillar	YCPXL34.5ERK
Caterpillar	YCPXL51.8ERK
Cummins	YCEXL060.AAA
Cummins	YCEXL060.ABA
Cummins	YCEXL0359ABB
Cummins	YCEXL0239ACA
Cummins	YCEXL0239ADA
Cummins	YCEXL0359ABA
Cummins	YCEXL0359ABC
Cummins	YCEXL0505ACA
Cummins	YCEXL0661AAA
Cummins	YCEXL0661AAB

Manufacturer	Engine Families
Cummins	YCEXL0855AAA
Cummins	YCEXL0855AAB
Cummins	YCEXL03.3AAB
Cummins	YCEXL015.ABA
Cummins	YCEXL030.AAA
Cummins	YCEXL030.ABA
Cummins	YCEXL0359ACA
Cummins	YCEXL0505ABC
Cummins	YCEXL1015.ACA
Daewoo	YDWXL08.1ACN
Daewoo	YDWXL03.3AMN
Daewoo	YDWXL03.3BMA
Daewoo	YDWXL03.3LMN
Daewoo	YDWXL05.8ARN
Daewoo	YDWXL14.6AZA
Daewoo	YDWXL18.3ASA
Daewoo	YDWXL21.9AYA
Daewoo	YDWXL05.8AOA
Daewoo	YDWXL2.37ANT
Daewoo	YDWXL11.1BIA
Daewoo	YDWXL11.1DJA
Daimler Chrysler	YMBXL12.0RJA
Daimler Chrysler	YMBXL12.0RJB
Daimler Chrysler	YMBXL12.9R6A
Daimler Chrysler	YMBXL15.9RJA
Daimler Chrysler	YMBXL4.25RJA
Daimler Chrysler	YMBXL6.37RJA
Deere	YJDXL10.5004
Deere	YJDXL10.5022
Deere	YJDXL12.5002
Deere	YJDXL12.5020
Detroit Diesel Corporation	YDDXL08.5TJD
Detroit Diesel Corporation	YDDXL11.1THD
Detroit Diesel Corporation	YDDXL12.1TFM
Detroit Diesel Corporation	YDDXL12.7TGD
Detroit Diesel Corporation	YDDXL14.0TLD
Detroit Diesel Corporation	YDDXL15.9TRE
Detroit Diesel Corporation	YDDXL23.9TRE
Detroit Diesel Corporation	YDDXL31.8VRE
Detroit Diesel Corporation	YDDXL65.0VTE
Deutz AG	YDZXL02.7014
Deutz AG	YDZXL02.9013
Deutz AG	YDZXL05.7019
Deutz AG	YDZXL07.1004
Deutz AG	YDZXL07.1005
Deutz AG	YDZXL15.9002
Deutz AG	YDZXL15.9003
Escorts	YAELL2.86FTD
Escorts	YAELL3.14FTD

Manufacturer	Engine Families
Genrac	YGNXL13.3HTA
Isuzu	YSZXL04.3GXA
Isuzu	YSZXL06.5EXA
Isuzu	YSZXL06.5FXA
Isuzu	YSZXL07.8EXA
IVECO	YVEXL09.5DAR
Komatsu	YKLXL0239ACA
Komatsu	YKLXL030.AAA
Komatsu	YKLXL0359ABA
Komatsu	YKLXL0359ABC
Komatsu	YKLXL11.0DD1
Komatsu	YKLXL0359ACA
Komatsu	YKLXL03.3JB1
Komatsu	YKLXL11.0DC1
Komatsu	YKLXL15.2EC1
Komatsu	YKLXL30.5GD1
Komatsu	YKLXL30.5GE1
Komatsu	YKLXL7.15CB1
Komatsu	YKLXL7.15CD1
Komatsu	YKLXL15.2EB1
Kubota	YKBXL02.4GCD
Kubota	YKBXL03.3AAD
Kubota	YKBXL03.3ACD
Liebherr	YLHAL17.2ARA
Liebherr	YLHAL17.2ATA
Liebherr	YLHAL9.96ARA
Liebherr	YLHAL9.96ASA
Liebherr	YLHAL9.96ATA
MAN	YMNXL12.8001
MAN	YMNXL6.87002
Mitsubishi	YMTXL07.5D6A
Mitsubishi	YMTXL11.9D2A
MWM Motores	YMWML06.46AI
Navistar	YNVXL0466ANA
Navistar	YNVXL0530ANA
Navistar	YNVXL0530ANB
Navistar	YNVXL0530ANC
Navistar	YNVXL0530AND
SCANIA AB	YY9XL09.0BAD
SCANIA AB	YY9XL11.7ABA
SCANIA AB	YY9XL11.7ABB
Sisu Diesel Inc.	YSIDL07.4D4A
VM Motori	YV5XL02.8R2T
VM Motori	YV5XL04.2S1T
Volvo	YVSXL06.7CE1
Volvo	YVSXL09.6CE1
Volvo	YVSXL12.0CE1
Volvo	YVSXL16.0CE1

Model Year 2001 Engines

Manufacturer	Engine Families
AB Volvo Penta	1VPXL05.5AAA
AB Volvo Penta	1VPXL06.7ABA
AB Volvo Penta	1VPXL07.3ABB
AB Volvo Penta	1VPXL07.3ACB
AB Volvo Penta	1VPXL09.6ABA
AB Volvo Penta	1VPXL09.6ACB
AB Volvo Penta	1VPXL12.1ACB
AB Volvo Penta	1VPXL16.0ACB
Case	1X9XL0239ACA
Case	1X9XL0239ADA
Case	1X9XL0359ABA
Case	1X9XL0359ABB
Case	1X9XL0505ABC
Case	1X9XL0505ACC
Case	1X9XL0540AAA
Caterpillar	1CPXL07.2HRK
Caterpillar	1CPXL07.2HSK
Caterpillar	1CPXL08.8HSK
Caterpillar	1CPXL10.3ESK
Caterpillar	1CPXL10.5MRD
Caterpillar	1CPXL10.5MRF
Caterpillar	1CPXL10.5MRG
Caterpillar	1CPXL12.0ESK
Caterpillar	1CPXL14.6ERK
Caterpillar	1CPXL14.6ESK
Caterpillar	1CPXL15.8ERK
Caterpillar	1CPXL15.8ESK
Caterpillar	1CPXL18.0HRK
Caterpillar	1CPXL18.0HSK
Caterpillar	1CPXL27.0HRK
Caterpillar	1CPXL27.0HRN
Caterpillar	1CPXL27.0HRP
Caterpillar	1CPXL27.0MRS
Caterpillar	1CPXL27.0MRT
Caterpillar	1CPXL34.5ERK
Caterpillar	1CPXL58.6ERK
Caterpillar	1CPXL78.1ERK
Cummins	1CEXL015.AAA
Cummins	1CEXL015.ABA
Cummins	1CEXL019.AAC
Cummins	1CEXL0239ACA
Cummins	1CEXL0239ADA
Cummins	1CEXL03.3AAB
Cummins	1CEXL030.AAA
Cummins	1CEXL030.ABA
Cummins	1CEXL0359ABA
Cummins	1CEXL0359ABB

Manufacturer	Engine Families
Cummins	1CEXL0359ABC
Cummins	1CEXL0359ABD
Cummins	1CEXL0359ACA
Cummins	1CEXL0505ABC
Cummins	1CEXL0505ACC
Cummins	1CEXL0540AAA
Cummins	1CEXL060.AAA
Cummins	1CEXL060.ABA
Cummins	1CEXL0661AAA
Cummins	1CEXL0661AAB
Cummins	1CEXL0661AAC
Cummins	1CEXL0661AAD
Daewoo	1DWXL03.3AMN
Daewoo	1DWXL03.3BMA
Daewoo	1DWXL03.3LMN
Daewoo	1DWXL05.8AOA
Daewoo	1DWXL05.8ARN
Daewoo	1DWXL08.1ACN
Daewoo	1DWXL14.6AZA
Daewoo	1DWXL18.3ASA
Daewoo	1DWXL2.37ANT
Daewoo	1DWXL21.9AYA
DaimlerChrysler AG	1MBXL12.0RJB
DaimlerChrysler AG	1MBXL12.0RJC
DaimlerChrysler AG	1MBXL12.9R6A
DaimlerChrysler AG	1MBXL15.9RJA
DaimlerChrysler AG	1MBXL21.9R6A
DaimlerChrysler AG	1MBXL4.25RJA
DaimlerChrysler AG	1MBXL6.37RJA
DaimlerChrysler AG	1MBXL6.37RJB
DaimlerChrysler AG	1MBXL7.20RJA
Deere	1JDXL08.1008
Deere	1JDXL08.1036
Deere	1JDXL08.1037
Deere	1JDXL12.5002
Deere	1JDXL12.5029
Deere	1JDXL12.5035
Detroit Diesel Corporation	1DDXL08.5TJD
Detroit Diesel Corporation	1DDXL12.7VGD
Detroit Diesel Corporation	1DDXL14.0VLD
Detroit Diesel Corporation	1DDXL14.0WLD
Detroit Diesel Corporation	1DDXL15.9WRE
Detroit Diesel Corporation	1DDXL23.9WRE
Detroit Diesel Corporation	1DDXL31.8VRE
Detroit Diesel Corporation	1DDXL31.8XRE
Detroit Diesel Corporation	1DDXL65.0XTE
Deutz	1DZXL02.7014
Deutz	1DZXL02.7015
Deutz	1DZXL02.9013

Manufacturer	Engine Families
Deutz	1DZXL05.7019
Deutz	1DZXL06.1028
Deutz	1DZXL07.1004
Deutz	1DZXL07.1005
Deutz	1DZXL15.9002
Deutz	1DZXL15.9003
Generac	1GNXL04.0HAA
Generac	1GNXL04.0HNA
Generac	1GNXL05.0FAA
International	1NVXL0466ANA
International	1NVXL0530ANA
International	1NVXL0530ANB
International	1NVXL0530ANC
International	1NVXL0530AND
International	1NVXL0530ANE
International	1NVXL0530ANF
Isuzu	1SZXL04.3GXA
Isuzu	1SZXL06.5EXA
Isuzu	1SZXL06.5FTA
Isuzu	1SZXL06.5FXA
Isuzu	1SZXL07.8ATA
Isuzu	1SZXL09.8EXA
Isuzu	1SZXL15.7ETA
Isuzu	1SZXL15.7EXA
Iveco	1VEXL07.8CRS
Iveco	1VEXL09.5DAR
Iveco	1VEXL10.3CRS
Iveco	1VEXL12.9CRS
Komatsu	1KLXL0239ACA
Komatsu	1KLXL0239ADA
Komatsu	1KLXL030.AAA
Komatsu	1KLXL0359ABA
Komatsu	1KLXL0359ABC
Komatsu	1KLXL0359ACA
Komatsu	1KLXL03.3JB1
Komatsu	1KLXL11.0DD3
Komatsu	1KLXL11.0DD4
Komatsu	1KLXL15.2EC3
Komatsu	1KLXL15.2ED3
Komatsu	1KLXL23.2FC3
Komatsu	1KLXL23.2FD3
Komatsu	1KLXL30.5GC1
Komatsu	1KLXL30.5GD1
Komatsu	1KLXL30.5GE1
Komatsu	1KLXL7.15CB1
Komatsu	1KLXL7.15CD1
Komatsu	1KLXL15.2EB1
Liebherr	1LHAL17.2ARA
Liebherr	1LHAL17.2ATA

Manufacturer	Engine Families
Liebherr	1LHAL17.2AUA
Liebherr	1LHAL9.96ARA
Liebherr	1LHAL9.96ATA
Liebherr	1LHAL9.96AUA
MAN	1MNXL6.87002
Mitsubishi	1MVXL24.5AAB
Mitsubishi	1MTXL07.5D6A
MTU Friedrichshafen	1MTUL21.9R2A
MWM Motores	1MWML06.46AI
New Holland UK Ltd	1NHXL07.5A3A
SCANIA AB	1Y9XL09.0BAD
SCANIA AB	1Y9XL11.7BBA
Sisu Diesel Inc.	1SIDL07.4D4A
Sisu Diesel Inc.	1SIDL08.4F3A
VM Motori S.p.A.	1V5XL02.8R2T
VM Motori S.p.A.	1V5XL04.2S1T
Volvo	1VSXL06.7CE1
Volvo	1VSXL09.6CE1
Volvo	1VSXL12.0CE1
Volvo	1VSXL12.1CE2
Westerbeke	1X7XL03.5AAD

Model Year 2002 Engines

Manufacturer	Engine Families
AB VOLVO PENTA	2VPXL05.5AAA
AB VOLVO PENTA	2VPXL06.7ABA
AB VOLVO PENTA	2VPXL07.3ABB
AB VOLVO PENTA	2VPXL07.3ACB
AB VOLVO PENTA	2VPXL09.6ABA
AB VOLVO PENTA	2VPXL09.6ACB
AB VOLVO PENTA	2VPXL12.1ACA
AB VOLVO PENTA	2VPXL12.1ABA
AB VOLVO PENTA	2VPXL12.1ACB
Caterpillar	2CPXL07.2HRK
Caterpillar	2CPXL07.2HSK
Caterpillar	2CPXL08.8HSX
Caterpillar	2CPXL10.3ESK
Caterpillar	2CPXL10.5MRD
Caterpillar	2CPXL10.5MRF
Caterpillar	2CPXL10.5MRG
Caterpillar	2CPXL12.0ESK
Caterpillar	2CPXL14.6ESK
Caterpillar	2CPXL15.8ERK
Caterpillar	2CPXL15.8ESK
Caterpillar	2CPXL18.0HSK
Caterpillar	2CPXL27.0HRK
Caterpillar	2CPXL27.0HRP
Caterpillar	2CPXL27.0MRS

Manufacturer	Engine Families
Caterpillar	2CPXL27.0MRT
Caterpillar	2CPXL34.5ERK
Caterpillar	2CPXL58.6ERK
Caterpillar	2CPXL78.1ERK
CNH	2X9XL0239ACA
CNH	2X9XL0239ADA
CNH	2X9XL0359ABA
CNH	2X9XL0359ABB
CNH	2X9XL0359ABE
CNH	2X9XL0505ABC
CNH	2X9XL0505ABD
CNH	2X9XL0505ACC
CNH	2X9XL0540AAA
CNH	2NHXL06.7DCR
Cummins	2CEXL015.AAA
Cummins	2CEXL015.AAB
Cummins	2CEXL015.ABA
Cummins	2CEXL0239ACA
Cummins	2CEXL0239ADA
Cummins	2CEXL03.3AAB
Cummins	2CEXL030.AAA
Cummins	2CEXL030.ABA
Cummins	2CEXL0359ABA
Cummins	2CEXL0359ABB
Cummins	2CEXL0359ABC
Cummins	2CEXL0359ABD
Cummins	2CEXL0359ABE
Cummins	2CEXL0359ACA
Cummins	2CEXL0505ABC
Cummins	2CEXL0505ABD
Cummins	2CEXL0505ACB
Cummins	2CEXL0505ACC
Cummins	2CEXL0505ACE
Cummins	2CEXL0540AAA
Cummins	2CEXL060.AAA
Cummins	2CEXL060.ABA
Cummins	2CEXL0661AAA
Cummins	2CEXL0661AAB
Cummins	2CEXL0661AAC
Cummins	2CEXL0661AAD
Cummins	2CEXL078.AAA
Daewoo	2DWXL03.3AMN
Daewoo	2DWXL03.3BMA
Daewoo	2DWXL03.3LMN
Daewoo	2DWXL05.8AOA
Daewoo	2DWXL05.8ARN
Daewoo	2DWXL2.37ANT
Daewoo	2DWXL21.9AYA
Deere	2JDXL06.8039

Manufacturer	Engine Families
Deere	2JDXL06.8049
Deere	2JDXL08.1008
Deere	2JDXL08.1036
Deere	2JDXL08.1037
Deere	2JDXL12.5029
Deere	2JDXL12.5035
Detroit Diesel	2DDXL31.8XRE
Detroit Diesel	2DDXL65.0XTE
Detroit Diesel	2DDXL08.5TJD
Detroit Diesel	2DDXL08.5YJD
Detroit Diesel	2DDXL12.7VGD
Detroit Diesel	2DDXL14.0VLD
Detroit Diesel	2DDXL31.8XRE
Detroit Diesel	2DDXL65.0XTE
Deutz AG	2DZXL02.7014
Deutz AG	2DZXL02.7015
Deutz AG	2DZXL02.9013
Deutz AG	2DZXL05.7019
Deutz AG	2DZXL05.7033
Deutz AG	2DZXL06.1028
Deutz AG	2DZXL07.1004
Deutz AG	2DZXL07.1005
Deutz AG	2DZXL07.1032
Deutz AG	2DZXL07.1034
Deutz AG	2DZXL15.9002
Deutz AG	2DZXL15.9003
Deutz AG	2DZXL35.0001
Escorts Ltd.	2AELL2.14ETD
Escorts Ltd.	2AELL3.14FTD
GENERAC	2GNXL04.0HAA
GENERAC	2GNXL04.0HNA
GENERAC	2GNXL05.0FAA
International Truck	2NVXL0444ANA
International Truck	2NVXL0466ANA
International Truck	2NVXL0530ANA
International Truck	2NVXL0530ANB
International Truck	2NVXL0530ANC
International Truck	2NVXL0530AND
International Truck	2NVXL0530ANE
International Truck	2NVXL0530ANF
Isuzu	2SZXL04.3GXA
Isuzu	2SZXL06.5EXA
Isuzu	2SZXL06.5FTA
Isuzu	2SZXL06.5FXA
Isuzu	2SZXL07.8ATA
Isuzu	2SZXL07.8EXA
Isuzu	2SZXL09.8EXA
Isuzu	2SZXL15.7ETA
Isuzu	2SZXL15.7EXA

Manufacturer	Engine Families
IVECO N.V.	2VEXL05.9DCR
IVECO N.V.	2VEXL10.3CRS
IVECO N.V.	2VEXL12.9CRS
Komatsu	2KLXL0239ACA
Komatsu	2KLXL03.3JB1
Komatsu	2KLXL030.AAA
Komatsu	2KLXL0359ABA
Komatsu	2KLXL0359ABC
Komatsu	2KLXL0359ACA
Komatsu	2KLXL0505ABD
Komatsu	2KLXL060.AAA
Komatsu	2KLXL078.AAA
Komatsu	2KLXL11.0DC3
Komatsu	2KLXL11.0DD3
Komatsu	2KLXL11.0DD4
Komatsu	2KLXL11.0DD5
Komatsu	2KLXL11.0DD6
Komatsu	2KLXL15.2EB1
Komatsu	2KLXL15.2EC3
Komatsu	2KLXL15.2ED3
Komatsu	2KLXL15.2EE3
Komatsu	2KLXL23.2FC3
Komatsu	2KLXL23.2FD3
Komatsu	2KLXL30.5GD1
Komatsu	2KLXL30.5GE1
Komatsu	2KLXL7.15CB1
Komatsu	2KLXL7.15CD1
Liebherr	2LHAL17.2ARA
Liebherr	2LHAL17.2ATA
Liebherr	2LHAL17.2AUA
Liebherr	2LHAL9.96ARA
Liebherr	2LHAL9.96ASA
Liebherr	2LHAL9.96ATA
Liebherr	2LHAL9.96AUA
Mitsubishi	2MTXL07.5D6A
Mitsubishi	2MTXL07.5D6D
Mitsubishi	2MTXL11.9D2A
Mitsubishi	2MTXL11.9D2C
Mitsubishi	2MVXL24.5AAB
Mitsubishi	2MVXL65.4ABB
New Holland	2NHXL07.5A3A
New Holland	2NHXL07.5A3F
SCANIA AB	2Y9XL09.0AAC
SCANIA AB	2Y9XL09.0BAD
SCANIA AB	2Y9XL11.7BBB
Sisu Diesel	2SIDL07.4D4A
Sisu Diesel	2SIDL08.4F3A
VM Motori	2V5XL02.8R2T
VM Motori	2V5XL04.2S1T

Manufacturer	Engine Families
Volvo Construction	2VSXL06.7CE1
Volvo Construction	2VSXL09.6CE2
Volvo Construction	2VSXL12.1CE2
Volvo Construction	2VSXL16.0CE2

Model Year 2003 Engines

Manufacturer	Engine Families
AB Volvo	3VPXL07.3ACB
AB Volvo	3VPXL09.6ACB
AB Volvo	3VPXL12.1ABA
AB Volvo	3VPXL12.1ACA
AB Volvo	3VPXL12.1ACB
AB Volvo	3VPXL12.1ACB
Caterpillar	3CPXL07.2HSK
Caterpillar	3CPXL07.2HSL
Caterpillar	3CPXL08.8HSK
Caterpillar	3CPXL08.8HSL
Caterpillar	3CPXL10.3ESK
Caterpillar	3CPXL10.5MRW
Caterpillar	3CPXL12.0ESK
Caterpillar	3CPXL14.6ESK
Caterpillar	3CPXL15.8ESK
Caterpillar	3CPXL18.0hSk
Caterpillar	3CPXL27.0HRK
Caterpillar	3CPXL27.0HRP
Caterpillar	3CPXL27.0HRX
Caterpillar	3CPXL27.0MRS
Caterpillar	3CPXL34.5ERK
Caterpillar	3CPXL58.6ERK
Caterpillar	3CPXL78.1ERK
CNH Engine Corp	3X9XL0239AAA
CNH Engine Corp	3X9XL0239AAB
CNH Engine Corp	3X9XL0239ABA
CNH Engine Corp	3X9XL0359AAC
CNH Engine Corp	3X9XL0359ABE
CNH Engine Corp	3X9XL0505ABC
CNH Engine Corp	3X9XL0505ABD
CNH Engine Corp	3X9XL0505ACC
CNH Engine Corp	3X9XL0540AAA
CNH UK LTD	3NHXL06.7DCR
CNH UK LTD	3NHXL07.5B3A
CNH UK LTD	3NHXL07.5B3C
CNH UK LTD	3NHXL07.5B3F
Cummins	3CEXL015.AAA
Cummins	3CEXL015.AAB
Cummins	3CEXL015.ABA
Cummins	3CEXL019.AAC
Cummins	3CEXL023.AAA

Manufacturer	Engine Families
Cummins	3CEXL0239AAA
Cummins	3CEXL0239AAD
Cummins	3CEXL0239AAF
Cummins	3CEXL0239ABA
Cummins	3CEXL0239AEA
Cummins	3CEXL0239AFA
Cummins	3CEXL0275AAA
Cummins	3CEXL0275AAB
Cummins	3CEXL03.3AAB
Cummins	3CEXL030.AAA
Cummins	3CEXL030.ABA
Cummins	3CEXL0359AAB
Cummins	3CEXL0359AAC
Cummins	3CEXL0359ABC
Cummins	3CEXL0359ABE
Cummins	3CEXL0359ACA
Cummins	3CEXL0409AAA
Cummins	3CEXL0505ABC
Cummins	3CEXL0505ABD
Cummins	3CEXL0505ACB
Cummins	3CEXL0505ACC
Cummins	3CEXL0540AAA
Cummins	3CEXL060.AAA
Cummins	3CEXL060.ABA
Cummins	3CEXL0661AAC
Cummins	3CEXL0661AAD
Cummins	3CEXL0661AAE
Cummins	3CEXL078.AAA
Cummins	3CEXL078.AAB
Daewoo	3DWXL03.3AMN
Daewoo	3DWXL03.3BMA
Daewoo	3DWXL03.3LMN
Daewoo	3DWXL05.8ARN
Daewoo	3DWXL05.8ATT
Daewoo	3DWXL08.1CPA
Daewoo	3DWXL11.1BIA
Daewoo	3DWXL11.1DJA
Daewoo	3DWXL18.3ASC
Daewoo	3DWXL2.37ANT
Daewoo	3DWXL21.9AYA
DaimlerChrysler	3MBXL12.0RJB
DaimlerChrysler	3MBXL12.0RJC
DaimlerChrysler	3MBXL15.9RJA
DaimlerChrysler	3MBXL21.9R6B
DaimlerChrysler	3MBXL4.25RJB
DaimlerChrysler	3MBXL7.20RJA
Deere	3JDXL06.8038
Deere	3JDXL06.8039
Deere	3JDXL06.8048

Manufacturer	Engine Families
Deere	3JDXL06.8049
Deere	3JDXL06.8052
Deere	3JDXL08.1037
Deere	3JDXL12.5035
Detroit Diesel	3DDXL08.5YJD
Detroit Diesel	3DDXL12.7VGD
Detroit Diesel	3DDXL14.0VLD
Detroit Diesel	3DDXL15.9WRE
Detroit Diesel	3DDXL31.8XRE
Detroit Diesel	3DDXL35.8GRP
Detroit Diesel	3DDXL65.0GTP
Detroit Diesel	3DDXL65.0XTE
Detroit Diesel	3DDXL90.0XTP
Deutz AG	3DZXL02.7014
Deutz AG	3DZXL02.7015
Deutz AG	3DZXL02.9013
Deutz AG	3DZXL04.8007
Deutz AG	3DZXL05.7019
Deutz AG	3DZXL06.1010
Deutz AG	3DZXL06.1028
Deutz AG	3DZXL07.1005
Deutz AG	3DZXL07.1032
Deutz AG	3DZXL07.1034
Deutz AG	3DZXL15.9002
Deutz AG	3DZXL35.0001
GENERAC	3GNXL03.0KTA
Hino Motors	3HMXL12.8KUV
International Truck	3NVXL0365AFA
International Truck	3NVXL0530ANE
International Truck	3NVXL0530ANF
Isuzu	3SZXL06.5EXA
Isuzu	3SZXL07.8ETA
Isuzu	3SZXL07.8EXA
Isuzu	3SZXL09.8EXA
Isuzu	3SZXL15.7ETA
Isuzu	3SZXL15.7EXA
IVECO	3VEXL07.8CRS
IVECO	3VEXL10.3CRS
IVECO	3VEXL12.9CRS
IVECO	3VEXL06.7DCR
KIRLOSKAR OIL	3KOEL04.24PA
Komatsu	3KLXL0239AAA
Komatsu	3KLXL0239AAD
Komatsu	3KLXL0239AAF
Komatsu	3KLXL0239ABA
Komatsu	3KLXL03.3JB1
Komatsu	3KLXL030.AAA
Komatsu	3KLXL0359AAB
Komatsu	3KLXL0359ABC

Manufacturer	Engine Families
Komatsu	3KLXL0359ACA
Komatsu	3KLXL0505ABD
Komatsu	3KLXL060.AAA
Komatsu	3KLXL078.AAA
Komatsu	3KLXL11.0DC3
Komatsu	3KLXL11.0DD3
Komatsu	3KLXL11.0DD5
Komatsu	3KLXL15.2EC3
Komatsu	3KLXL15.2ED3
Komatsu	3KLXL15.2EE3
Komatsu	3KLXL23.2FD3
Komatsu	3KLXL23.2FD4
Komatsu	3KLXL30.5GC1
Komatsu	3KLXL30.5GD1
Komatsu	3KLXL30.5GE1
KUBOTA	3KBXL01.1BCB
KUBOTA	3KBXL01.9FCC
Liebherr	3LHAL12.8RMR
Liebherr	3LHAL17.2ARA
Liebherr	3LHAL17.2ATA
Liebherr	3LHAL17.2AUA
Liebherr	3LHAL9.96ARA
Liebherr	3LHAL9.96ATA
Liebherr	3LHAL9.96AUA
Lister Petter	3L5XL1.17FX8
Lister Petter	3L5XL2.29VX9
Lister Petter	3L5XL1.862TC
Lister Petter	3L5XL3.332DW
Lombardini Motori	3LBDL.686SF2
Lombardini Motori	3LBDL2.07CHT
Mack Trucks	3MKXL11.9P69
MAN	3MNXL6.87002
Mitsubishi	3MVXL18.6BAA
Mitsubishi	3MVXL24.5AAB
Mitsubishi	3MVXL24.5ABA
Mitsubishi	3MVXL24.5ABE
Mitsubishi	3MVXL24.5BAA
Mitsubishi	3MVXL24.5BAB
Mitsubishi	3MVXL33.9ABA
Mitsubishi	3MVXL33.9ABB
Mitsubishi	3MVXL37.1ABB
Mitsubishi	3MVXL37.1ABC
Mitsubishi	3MVXL37.1ABD
Mitsubishi	3MVXL49.0ABC
Mitsubishi	3MVXL65.4ABD
Mitsubishi	3MVXL65.4ABG
Mitsubishi	3MVXL65.4ABH
Mitsubishi	3MFTL07.5D6A
Mitsubishi	3MFTL07.5D6D

Manufacturer	Engine Families
Mitsubishi	3MTXL11.9D2A
Motorenfabrik Hatz	3HZXL3.43A37
MTU	3MTUL21.9R2A
Nissan	3NDXL02.7TNA
Nissan	3NDXL04.2TNA
Nissan	3NDXL03.0FNA
Nissan	3NDXL03.0FTA
Perkins	3PKXL04.0AJ1
Perkins	3PKXL15.8H16
SCANIA AB	3Y9XL09.0BAE
SCANIA AB	3Y9XL11.7BBC
Sisu Diesel	3SIDL04.4B1A
Sisu Diesel	3SIDL04.4B2A
Sisu Diesel	3SIDL07.4G4A
Sisu Diesel	3SIDL07.4G4B
Sisu Diesel	3SIDL07.4G4C
Sisu Diesel	3SIDL08.4H4A
TOYOTA	3TALL02.51DZ
TOYOTA	3TALL04.613Z
TOYOTA	3TALL05.214Z
VM Motori	3V5XL02.8R2T
Volvo	3VSXL09.6CE2
Volvo	3VSXL12.1CE2
Volvo	3VSXL16.0CE2
Yanmar	3YDXL2.00D4T
Yanmar	3YDXL2.00M4T
Yanmar	3YDXL2.19D4N
Yanmar	3YDXL2.78D4N
Yanmar	3YDXL3.05M4N
Yanmar	3YDXL3.32D4N
Yanmar	3YDXL3.32E4N
Yanmar	3YDXL3.32F4N
Yanmar	3YDXL3.32H4N
Yanmar	3YDXL3.32J4N
Yanmar	3YDXL3.32J4T
Yanmar	3YDXL3.32K4N
Yanmar	3YDXL3.32K4T
Yanmar	3YDXL4.41D4N
Yanmar	3YDXL4.41D4T
Yanmar	3YDXL4.41E4N
Yanmar	3YDXL4.41F4T
Yanmar	3YDXL4.41K4N
Yanmar	3YDXL4.41K4T

Model Year 2004 Engines

Manufacturer	Engine Families
AB VOLVO PENTA	4VPXL07.3ACB
AB VOLVO PENTA	4VPXL09.4ACA
AB VOLVO PENTA	4VPXL09.4ACB
AB VOLVO PENTA	4VPXL09.4ACC
AB VOLVO PENTA	4VPXL09.6ACB
AB VOLVO PENTA	4VPXL09.6ACC
AB VOLVO PENTA	4VPXL12.1ABA
AB VOLVO PENTA	4VPXL12.1ACA
AB VOLVO PENTA	4VPXL12.1ACB
Caterpillar	4CPXL07.2HSL
Caterpillar	4CPXL12.0ESK
Caterpillar	4CPXL14.6ESK
Caterpillar	4CPXL15.8ERK
Caterpillar	4CPXL15.8ESK
Caterpillar	4CPXL18.0ESK
Caterpillar	4CPXL18.0HSK
Caterpillar	4CPXL27.0HRK
Caterpillar	4CPXL27.0HRP
Caterpillar	4CPXL27.0HRX
Caterpillar	4CPXL34.5ERK
Caterpillar	4CPXL58.6ERK
Caterpillar	4CPXL78.1ERK
CNH Engine Corp.	4X9XL0239AAC
CNH Engine Corp.	4X9XL0359ABE
CNH Engine Corp.	4X9XL0505ABC
CNH Engine Corp.	4X9XL0505ACC
CNH Engine Corp.	4X9XL0540AAA
CNH Engine Corp.	4NHXL06.7DCR
Cummins	4CEXL023.AAA
Cummins	4CEXL0359AAC
Cummins	4CEXL0359ABE
Cummins	4CEXL0505ABC
Cummins	4CEXL0505ACB
Cummins	4CEXL0505ACC
Cummins	4CEXL0540AAA
Cummins	4CEXL060.AAA
Cummins	4CEXL060.ABA
Daewoo	4DWXL18.3ASC
Daewoo	4DWXL21.9AYA
DaimlerChrysler	4MBXL12.0RJB
DaimlerChrysler	4MBXL12.0RJC
DaimlerChrysler	4MBXL15.9RJA
DaimlerChrysler	4MBXL21.9R6B
DaimlerChrysler	4MBXL4.25RJB
DaimlerChrysler	4MBXL6.37RJB
DaimlerChrysler	4MBXL7.20RJA
Deere	4JDXL06.8049

Manufacturer	Engine Families
Detroit Diesel	4DDXL08.5YJD
Detroit Diesel	4DDXL12.7VGD
Detroit Diesel	4DDXL14.0VLD
Detroit Diesel	4DDXL31.8XRE
Detroit Diesel	4DDXL35.8GRP
Detroit Diesel	4DDXL90.0XTP
Deutz AG	4DZXL03.1039
Deutz AG	4DZXL06.1028
Deutz AG	4DZXL07.1032
Deutz AG	4DZXL07.1034
Deutz AG	4DZXL15.9002
International	4NVXL0365AFA
International	4NVXL0530ANF
International	4SZXL15.7ETA
International	4SZXL15.7EXA
IVECO N. V.	4VEXL07.8CRS
IVECO N. V.	4VEXL10.3CRS
IVECO N. V.	4VEXL12.9CRS
IVECO N. V.	4VEXL06.7DCR
KIRLOSKAR OIL	4KOEL031IRPN
KIRLOSKAR OIL	4KOEL042IRPN
Komatsu	4KLXL0505ABC
Komatsu	4KLXL11.0DC3
Komatsu	4KLXL11.0DD3
Komatsu	4KLXL15.2EC3
Komatsu	4KLXL15.2ED3
Komatsu	4KLXL15.2EE3
Komatsu	4KLXL23.2FD3
Komatsu	4KLXL23.2FD4
Komatsu	4KLXL30.5GD1
Komatsu	4KLXL30.5GE1
LIEBHERR	4LHAL17.2ATA
LIEBHERR	4LHAL9.96ATA
Lister Petter	4L5XL1.17FX8
Mitsubishi	4MVXL37.1ABB
MTU	4MTUL21.9R2A
Perkins	2PKXL15.8H16
Perkins	4PKXL15.8H16
SCANIA AB	4Y9XL09.0BAF
SCANIA AB	4Y9XL11.7BBF
SCANIA AB	4Y9XL11.7BBG
SCANIA AB	4Y9XL15.6BDA
Sisu Diesel	4SIDL08.4H4A
Volvo AB	4VSXL09.6CE2
Volvo AB	4VSXL12.1CE2
Volvo AB	4VSXL16.0CE2

Model Year 2005 Engines

Manufacturer	Engine Families
AB Volvo	5VPXL07.3ACB
AB Volvo	5VPXL09.4ACA
AB Volvo	5VPXL09.4ACB
AB Volvo	5VPXL09.4ACC
AB Volvo	5VPXL09.6ACB
AB Volvo	5VPXL12.1ABA
AB Volvo	5VPXL12.1ACA
AB Volvo	5VPXL12.1ACB
AB Volvo	5VPXL16.1ACB
AB Volvo	5VPXL16.1ACC
AB Volvo	5VPXL16.1ACD
AB Volvo	5VPXL16.1ACE
AB Volvo	5VPXL16.1ACF
Caterpillar	5CPXL07.2ESL
Caterpillar	5CPXL07.2HSK
Caterpillar	5CPXL07.2HSL
Caterpillar	5CPXL08.8ESK
Caterpillar	5CPXL08.8HSL
Caterpillar	5CPXL10.3ESK
Caterpillar	5CPXL10.5MRW
Caterpillar	5CPXL11.1ESK
Caterpillar	5CPXL12.0ESK
Caterpillar	5CPXL12.5ESK
Caterpillar	5CPXL15.2ESK
Caterpillar	5CPXL15.8ERK
Caterpillar	5CPXL18.0ESK
Caterpillar	5CPXL18.1ESK
Caterpillar	5CPXL27.0ESK
Caterpillar	5CPXL27.0HRK
Caterpillar	5CPXL27.0HRP
Caterpillar	5CPXL27.0MRS
Caterpillar	5CPXL32.0ESK
Caterpillar	5CPXL34.5ERK
Caterpillar	5CPXL58.6ERK
Caterpillar	5CPXL78.1ERK
CNH Engine Corp.	5NHXL06.7DCR
CNH Engine Corp.	5NHXL07.5B3A
CNH Engine Corp.	5NHXL07.5B3C
CNH Engine Corp.	5NHXL07.5B3F
CNH Engine Corp.	5X9XL0239AAC
CNH Engine Corp.	5X9XL0359AAK
CNH Engine Corp.	5X9XL0359ABE
CNH Engine Corp.	5X9XL0505AAE
CNH Engine Corp.	5X9XL0505ABC
CNH Engine Corp.	5X9XL0505ABD
CNH Engine Corp.	5X9XL0505ACC
CNH Engine Corp.	5X9XL0540AAA

Manufacturer	Engine Families
CNH Engine Corp.	5X9XL0540AAB
Cummins	5CEXL015.AAA
Cummins	5CEXL015.AAB
Cummins	5CEXL015.AAC
Cummins	5CEXL015.AAD
Cummins	5CEXL015.ABA
Cummins	5CEXL019.AAB
Cummins	5CEXL019.AAC
Cummins	5CEXL023.AAA
Cummins	5CEXL0239AAD
Cummins	5CEXL0239AAF
Cummins	5CEXL0239AAG
Cummins	5CEXL0275AAB
Cummins	5CEXL0275AAE
Cummins	5CEXL030.AAA
Cummins	5CEXL030.ABA
Cummins	5CEXL0359AAB
Cummins	5CEXL0359AAC
Cummins	5CEXL0359AAE
Cummins	5CEXL0359AAF
Cummins	5CEXL0359AAH
Cummins	5CEXL0359ABC
Cummins	5CEXL0359ABE
Cummins	5CEXL0409AAA
Cummins	5CEXL0409AAB
Cummins	5CEXL0409AAC
Cummins	5CEXL0505AAE
Cummins	5CEXL0505ABC
Cummins	5CEXL0505ABD
Cummins	5CEXL0505ACB
Cummins	5CEXL0540AAA
Cummins	5CEXL0540AAB
Cummins	5CEXL060.AAA
Cummins	5CEXL060.ABA
Cummins	5CEXL0661AAE
Cummins	5CEXL0661AAF
Cummins	5CEXL078.AAA
Cummins	5CEXL078.AAB
Cummins	5CEXL2.28A41
Cummins	5CEXL2.28A42
Daewoo	5DWXL18.3ASC
Daewoo	5DWXL05.8CRN
Daewoo	5DWXL08.1CPA
Daewoo	5DWXL11.1BIA
Daewoo	5DWXL11.1DJA
Daewoo	5DWXL21.9AYA
DaimlerChrysler	5MBXL12.0RJB
DaimlerChrysler	5MBXL12.0RJC
DaimlerChrysler	5MBXL15.9RJA

Manufacturer	Engine Families
DaimlerChrysler	5MBXL21.9R6B
DaimlerChrysler	5MBXL4.25RJB
DaimlerChrysler	5MBXL6.37RJB
DaimlerChrysler	5MBXL7.20RJA
Deere	5JDXL04.5075
Deere	5JDXL04.5081
Deere	5JDXL06.8038
Deere	5JDXL06.8048
Deere	5JDXL06.8049
Deere	5JDXL06.8052
Deere	5JDXL06.8072
Deere	5JDXL06.8080
Deere	5JDXL06.8101
Deere	5JDXL08.1037
Deere	5JDXL09.0102
Deere	5JDXL12.5035
Deere	5JDXL12.5073
Detroit Diesel Corporation	5DDXL08.5YJD
Detroit Diesel Corporation	5DDXL14.0VLD
Detroit Diesel Corporation	5DDXL15.9WRE
Detroit Diesel Corporation	5DDXL31.8XRE
Detroit Diesel Corporation	5DDXL31.8XRR
Detroit Diesel Corporation	5DDXL35.8GRP
Detroit Diesel Corporation	5DDXL65.0GTP
Detroit Diesel Corporation	5DDXL65.0XTE
Detroit Diesel Corporation	5DDXL90.0XTP
Deutz	5DZXL03.1039
Deutz	5DZXL05.7019
Deutz	5DZXL06.1028
Deutz	5DZXL06.1038
Deutz	5DZXL06.5036
Deutz	5DZXL06.5042
Deutz	5DZXL07.1032
Deutz	5DZXL07.1034
Deutz	5DZXL15.9002
Deutz	5DZXL71.0021
Hino Motors, Ltd.	5HMXL12.8KUV
International	5NVXL0365AFA
International	5NVXL0570AEA
ISEKI MATSUYAMA	5ICLL2.96D4E
Isuzu	5SZXL03.1GTB
Isuzu	5SZXL06.5EXA
Isuzu	5SZXL07.8ETA
Isuzu	5SZXL07.8EXA
Isuzu	5SZXL09.8EXA
Isuzu	5SZXL15.7ETA
Isuzu	5SZXL15.7EXA
Isuzu	5SZXL15.7HXZ
Iveco	5VEXL02.3F1A

Manufacturer	Engine Families
Iveco	5VEXL07.8CRS
Iveco	5VEXL10.3CRS
Iveco	5VEXL10.3TR3
Iveco	5VEXL10.3VGT
Iveco	5VEXL12.9CRS
Iveco	5VEXL12.9GEN
Iveco	5VEXL12.9VGT
Iveco	5VEXL05.9DGS
Iveco	5VEXL06.7DCR
Iveco	5VEXL06.7DGA
Komatsu	5KLXL0239AAD
Komatsu	5KLXL0239AAF
Komatsu	5KLXL030.AAA
Komatsu	5KLXL0359AAB
Komatsu	5KLXL0359AAE
Komatsu	5KLXL0359AAL
Komatsu	5KLXL0359ABC
Komatsu	5KLXL0409AAB
Komatsu	5KLXL0409AAC
Komatsu	5KLXL0505AAE
Komatsu	5KLXL0505ABC
Komatsu	5KLXL0505ABD
Komatsu	5KLXL060.AAA
Komatsu	5KLXL078.AAA
Komatsu	5KLXL11.0DC3
Komatsu	5KLXL11.0DD3
Komatsu	5KLXL11.0DDS
Komatsu	5KLXL15.2EC3
Komatsu	5KLXL15.2ED3
Komatsu	5KLXL15.2EE3
Komatsu	5KLXL23.2FC3
Komatsu	5KLXL23.2FD3
Komatsu	5KLXL23.2FD4
Komatsu	5KLXL30.5GC1
Komatsu	5KLXL30.5GD1
Komatsu	5KLXL30.5GE1
Kuboto	5KBXL03.3BAC
Kuboto	5KBXL03.3BAD
Kuboto	5KBXL03.3BCC
KUKJE	5KMCL2.28A41
KUKJE	5KMCL2.28A42
Liebherr	5LHAL10.5LPA
Liebherr	5LHAL12.8RMC
Liebherr	5LHAL12.8RMR
Liebherr	5LHAL17.2ARA
Liebherr	5LHAL17.2ATA
Liebherr	5LHAL17.2AUA
Liebherr	5LHAL9.54SPA
Liebherr	5LHAL9.96ARA

Manufacturer	Engine Families
Liebherr	5LHAL9.96ATA
Liebherr	5LHAL9.96AUA
MAHINDRA & MAHINDRA	5MMLL03.2NTY
Mitsubishi	5MVXL05.0AAC
Mitsubishi	5MVXL18.6BAA
Mitsubishi	5MVXL24.5BAA
Mitsubishi	5MVXL33.9ABB
Mitsubishi	5MVXL37.1ABC
Mitsubishi	5MVXL49.0ABD
Mitsubishi	5MVXL65.4ABB
Mitsubishi	5MVXL65.4ABH
Motorenfabrik Hatz	5HZXL3.43C42
MTU	5MTUL21.9R2A
Perkins	5PKXL06.6PJ1
Perkins	5PKXL04.4RE1
Perkins	5PKXL18.0H18
Perkins	5PKXL15.8H16
SCANIA AB	5Y9XL11.7BBG
SCANIA AB	5Y9XL11.7BBI
SCANIA AB	5Y9XL15.6BDB
SCANIA AB	5Y9XL09.0BAG
SCANIA AB	5Y9XL11.7BBH
SCANIA AB	5Y9XL15.6BDD
Sisu Diesel	5SIDL07.4G4A
Sisu Diesel	5SIDL03.3G4A
Sisu Diesel	5SIDL07.4G4B
Sisu Diesel	5SIDL07.4G5A
Sisu Diesel	5SIDL08.4H4A
Sisu Diesel	5SIDL08.4H5A
Sisu Diesel	5SIDL08.4H5B
Sisu Diesel	5SIDL07.4G4C
Volvo	5VSXL12.1CE3
Volvo	5VSXL09.4CE2
Volvo	5VSXL12.1CE2
Yanmar	5YDXL3.05P4N
Yanmar	5YDXL3.32J4N
Yanmar	5YDXL3.32J4T

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Manufacturer	Engine Families
AB Volvo Penta	6VPXL09.4BAA
AB Volvo Penta	6VPXL12.1BAA
AB Volvo Penta	6VPXL16.1ACB
Caterpillar	6CPXL07.2ESL
Caterpillar	6CPXL07.2HSK
Caterpillar	6CPXL08.8ESK
Caterpillar	6CPXL11.1ESK
Caterpillar	6CPXL12.5ESK

Manufacturer	Engine Families
Caterpillar	6CPXL15.2ESK
Caterpillar	6CPXL15.2ESL
Caterpillar	6CPXL18.1ESK
Caterpillar	6CPXL18.1ESL
Caterpillar	6CPXL27.0ESK
Caterpillar	6CPXL27.0HRK
Caterpillar	6CPXL32.0ESK
Caterpillar	6CPXL51.8E2W
Caterpillar	6CPXL27.0ESL
Caterpillar	6CPXL34.5T2E
Caterpillar	6CPXL58.6T2E
Caterpillar	6CPXL78.1T2E
CNH Engine Corp.	6NHXL04.5DNA
CNH Engine Corp.	6NHXL05.9DTA
CNH Engine Corp.	6NHXL06.7DCA
CNH Engine Corp.	6NHXL06.7DCB
CNH Engine Corp.	6NHXL06.7DCC
CNH Engine Corp.	6NHXL06.7DCR
CNH Engine Corp.	6NHXL06.7DTA
CNH Engine Corp.	6NHXL06.7DTC
CNH Engine Corp.	6NHXL07.5B2H
CNH Engine Corp.	6X9XL0239AAB
CNH Engine Corp.	6X9XL0239AAC
CNH Engine Corp.	6X9XL0359AAJ
CNH Engine Corp.	6X9XL0359AAM
CNH Engine Corp.	6X9XL0359ABE
CNH Engine Corp.	6X9XL0505AAE
CNH Engine Corp.	6X9XL0505ABD
CNH Engine Corp.	6X9XL0540AAB
CNH Engine Corp.	6X9XL0540AAC
Cummins	6CEXL015.AAA
Cummins	6CEXL015.AAB
Cummins	6CEXL015.AAC
Cummins	6CEXL015.AAD
Cummins	6CEXL015.AAE
Cummins	6CEXL019.AAB
Cummins	6CEXL019.AAC
Cummins	6CEXL019.AAD
Cummins	6CEXL023.AAA
Cummins	6CEXL0239AAD
Cummins	6CEXL0239AAF
Cummins	6CEXL0239AAG
Cummins	6CEXL0275AAB
Cummins	6CEXL0275AAC
Cummins	6CEXL0275AAD
Cummins	6CEXL0275AAF
Cummins	6CEXL0275AAI
Cummins	6CEXL03.3ABA
Cummins	6CEXL03.3ABB

Manufacturer	Engine Families
Cummins	6CEXL03.3ABC
Cummins	6CEXL030.AAD
Cummins	6CEXL0359AAB
Cummins	6CEXL0359AAC
Cummins	6CEXL0359AAD
Cummins	6CEXL0359AAF
Cummins	6CEXL0359AAN
Cummins	6CEXL0359ABC
Cummins	6CEXL0359ABE
Cummins	6CEXL038.AAA
Cummins	6CEXL0409AAB
Cummins	6CEXL0409AAC
Cummins	6CEXL045.AAA
Cummins	6CEXL050.AAC
Cummins	6CEXL050.AAD
Cummins	6CEXL0505AAE
Cummins	6CEXL0505ABD
Cummins	6CEXL0540AAB
Cummins	6CEXL060.AAB
Cummins	6CEXL060.AAD
Cummins	6CEXL0661AAF
Cummins	6CEXL078.AAA
Cummins	6CEXL078.AAB
DAIMLERCHRYSLER	6MBXL4.25RJB
DAIMLERCHRYSLER	6MBXL7.20RJA
Deere	6JDXL02.4074
Deere	6JDXL02.9017
Deere	6JDXL02.9050
Deere	6JDXL02.9088
Deere	6JDXL03.0063
Deere	6JDXL03.0064
Deere	6JDXL04.5040
Deere	6JDXL04.5042
Deere	6JDXL04.5043
Deere	6JDXL04.5051
Deere	6JDXL04.5057
Deere	6JDXL04.5062
Deere	6JDXL04.5075
Deere	6JDXL04.5076
Deere	6JDXL04.5081
Deere	6JDXL04.5083
Deere	6JDXL06.8014
Deere	6JDXL06.8038
Deere	6JDXL06.8039
Deere	6JDXL06.8041
Deere	6JDXL06.8044
Deere	6JDXL06.8048
Deere	6JDXL06.8049
Deere	6JDXL06.8052

Manufacturer	Engine Families
Deere	6JDXL06.8055
Deere	6JDXL06.8078
Deere	6JDXL06.8079
Deere	6JDXL06.8080
Deere	6JDXL06.8082
Deere	6JDXL06.8084
Deere	6JDXL06.8101
Deere	6JDXL08.1037
Deere	6JDXL09.0102
Deere	6JDXL12.5035
Deere	6JDXL12.5073
Detroit Diesel Corporation	6DDXL14.0VLD
Detroit Diesel Corporation	6DDXL31.8XRR
Deutz	6DZXL02.3048
Deutz	6DZXL03.1039
Deutz	6DZXL03.1040
Deutz	6DZXL03.1066
Deutz	6DZXL05.7019
Deutz	6DZXL05.7033
Deutz	6DZXL06.1028
Deutz	6DZXL06.1038
Deutz	6DZXL06.1057
Deutz	6DZXL06.1059
Deutz	6DZXL06.1060
Deutz	6DZXL06.5035
Deutz	6DZXL06.5037
Deutz	6DZXL06.5042
Deutz	6DZXL06.5043
Deutz	6DZXL07.1005
Deutz	6DZXL07.1034
Deutz	6DZXL07.1051
Deutz	6DZXL07.1053
Deutz	6DZXL07.1055
Deutz	6DZXL15.9065
Doosan	6DWXL05.8COA
Doosan	6DWXL05.8CRN
Doosan	6DWXL07.6UPA
Doosan	6DWXL08.7BDA
Doosan	6DWXL11.0UJA
Escorts Ltd.	6AELL3.44FTD
Fujian Lijia.	6FJLL4.05ABT
Hino Motors	6HMXL04.0WDH
Hino Motors	6HMXL05.1JTA
Hino Motors	6HMXL07.7JTM
Hino Motors	6HMXL10.5PUN
International	6NVXL0365AFA
International	6NVXL0570AEA
Isuzu	6SZXL02.2GNA
Isuzu	6SZXL03.1GNA

Manufacturer	Engine Families
Isuzu	6SZXL03.1GNB
Isuzu	6SZXL03.1GNC
Isuzu	6SZXL03.1GTA
Isuzu	6SZXL03.1GTB
Isuzu	6SZXL04.3FTA
Isuzu	6SZXL04.3FXA
Isuzu	6SZXL04.3GTA
Isuzu	6SZXL04.3GTG
Isuzu	6SZXL04.3GXA
Isuzu	6SZXL05.2HXA
Isuzu	6SZXL05.2IXA
Isuzu	6SZXL06.5FTA
Isuzu	6SZXL06.5FXA
Isuzu	6SZXL06.5FXG
Isuzu	6SZXL07.8HXA
Isuzu	6SZXL15.7HXA
IVECO	6VEXL03.9B1X
IVECO	6VEXL03.9B1Z
IVECO	6VEXL04.5DGT
IVECO	6VEXL04.5DNA
IVECO	6VEXL05.9DTA
IVECO	6VEXL06.7DCA
IVECO	6VEXL06.7DCB
IVECO	6VEXL06.7DCC
IVECO	6VEXL06.7DCR
IVECO	6VEXL06.7DGA
IVECO	6VEXL06.7DTA
IVECO	6VEXL06.7DTC
IVECO	6VEXL10.3TR3
IVECO	6VEXL12.9IGR
IVECO	6VEXL12.9TR3
JCB Power	6JCBL04.40NA
JCB Power	6JCBL04.40TC
JCB Power	6JCBL04.4TA1
KIRLOSKAR OIL	6KOEL04.2PIA
KIRLOSKAR OIL	6KOEL04.2IIN
Komatsu	6KLXL0239AAD
Komatsu	6KLXL0239AAF
Komatsu	6KLXL0239ADA
Komatsu	6KLXL0275AAC
Komatsu	6KLXL0275AAD
Komatsu	6KLXL0275AAI
Komatsu	6KLXL03.3JA3
Komatsu	6KLXL03.3JB3
Komatsu	6KLXL03.3JD3
Komatsu	6KLXL030.AAA
Komatsu	6KLXL0359AAB
Komatsu	6KLXL0359AAE
Komatsu	6KLXL0359AAL

Manufacturer	Engine Families
Komatsu	6KLXL0359ABC
Komatsu	6KLXL038.AAA
Komatsu	6KLXL0409AAB
Komatsu	6KLXL0409AAC
Komatsu	6KLXL045.AAA
Komatsu	6KLXL050.AAC
Komatsu	6KLXL0505AAE
Komatsu	6KLXL0505ABD
Komatsu	6KLXL060.AAB
Komatsu	6KLXL078.AAA
Komatsu	6KLXL11.0DD6
Komatsu	6KLXL15.2ED6
Komatsu	6KLXL23.2FD6
Komatsu	6KLXL30.5gD3
Kubota	6KBXL02.0EAD
Kubota	6KBXL02.0FAD
Kubota	6KBXL02.4EAD
Kubota	6KBXL02.4GCD
Kubota	6KBXL02.4HCD
Kubota	6KBXL02.8BCD
Kubota	6KBXL03.3AAD
Kubota	6KBXL03.3ACD
Kubota	6KBXL03.3BAC
Kubota	6KBXL03.3BAD
Kubota	6KBXL03.3BBD
Kubota	6KBXL03.3BCC
Kubota	6KBXL03.3BCD
Kubota	6KBXL03.3CCD
Kubota	6KBXL03.8AAD
Kubota	6KBXL03.8ABD
Kubota	6KBXL03.8ACD
Kubota	6KBXL05.8AAD
Kukje	6KMCL2.28A41
Kukje	6KMCL2.28A42
Liebherr	6LHAL10.5LPA
Liebherr	6LHAL12.8RMC
Liebherr	6LHAL9.54SPA
Liebherr	6LHAL9.96ARA
Liebherr	6LHAL9.96ASA
Liebherr	6LHAL9.96ATA
Liebherr	6LHAL21.9VMR
Lombardini.	6LBDL2.19CHT
MAHINDRA & MAHINDRA	6MMLL03.1NEF
MAHINDRA & MAHINDRA	6MMLL03.2NEF
MAHINDRA & MAHINDRA	6MMLL03.2NET
MAHINDRA & MAHINDRA	6MMLL03.2NTY
MAHINDRA & MAHINDRA	6MMLL03.4NEF
MAHINDRA & MAHINDRA	6MMLL03.5NEF
MAHINDRA & MAHINDRA	6LHAL12.8RMC

Manufacturer	Engine Families
MAHINDRA & MAHINDRA	6LHAL9.54SPA
MAHINDRA & MAHINDRA	6LHAL9.96ARA
MAHINDRA & MAHINDRA	6LHAL9.96ASA
MAHINDRA & MAHINDRA	6LHAL9.96ATA
MAHINDRA & MAHINDRA	6LHAL21.9VMR
Mitsubishi Heavy Industries	6MVXL02.5CCC
Mitsubishi Heavy Industries	6MVXL03.3DDE
Mitsubishi Heavy Industries	6MVXL04.2AAA
Mitsubishi Heavy Industries	6MVXL05.0AAA
Mitsubishi Heavy Industries	6MVXL05.0AAC
Mitsubishi Heavy Industries	6MVXL05.0AAD
Mitsubishi Heavy Industries	6MVXL05.0AAE
Mitsubishi Heavy Industries	6MVXL05.0DDD
Mitsubishi Heavy Industries	6MVXL06.4AAB
Mitsubishi Heavy Industries	6MVXL06.4DDD
Mitsubishi Heavy Industries	6MVXL06.4EEE
Nissan Diesel	6NDXL02.7TNA
Nissan Diesel	6NDXL03.0FTA
Perkins	6PKXL06.6PJ2
Perkins	6PKXL06.0VK1
Perkins	6PKXL04.4RE1
Perkins	6PKXL04.4RF1
Perkins	6PKXL04.4RH1
Perkins	6PKXL04.4RJ1
Perkins	6PKXL04.4RK1
Perkins	6PKXL04.4RH2
Perkins	6PKXL04.4RG1
Perkins	6PRKL3.99001
Perkins	6PRKL3.99002
Same Deutz Fahr Italia	6FGXL06.0WTI
Same Deutz Fahr Italia	6FGXL06.0WTO
Same Deutz Fahr Italia	6FGXL06.0W00
SCANIA	6Y9XL11.7BBA
SCANIA	6Y9XL11.7BBB
SCANIA	6Y9XL15.6BDE
Sisu Diesel	6SIDL03.3G4A
Sisu Diesel	6SIDL04.4J2A
Sisu Diesel	6SIDL04.4J3A
Sisu Diesel	6SIDL06.6I2A
Sisu Diesel	6SIDL07.4G4B
Sisu Diesel	6SIDL07.4G4D
Sisu Diesel	6SIDL07.4G5B
Sisu Diesel	6SIDL08.4H5B
Toyota	6TALL02.51DZ
Toyota	6TALL04.613Z
VMMI	6V5XL02.1G7R
VMMI	6V5XL02.8R6V
VMMI	6V5XL04.2G5V
VMMI	6V5XL04.2S5V

Manufacturer	Engine Families
VMMI	6V5XL03.0R6T
Volvo	6VSXL12.1CE3
Volvo	6VSXL09.4CE3
Volvo	6VSXL16.1CE3
Yanmar	6YDXL2.00M4T
Yanmar	6YDXL2.78P4N
Yanmar	6YDXL3.05M4N
Yanmar	6YDXL3.05P4N
Yanmar	6YDXL3.32J4N
Yanmar	6YDXL3.32J4T
Yanmar	6YDXL3.32K4N
Yanmar	6YDXL3.32K4T
Yanmar	6YDXL3.32P4N
Yanmar	6YDXL4.41K4N
Yanmar	6YDXL4.41K4T
Zetor North America	66AXL4.16IUH
Zetor North America	66AXL4.16TUL
Zhejiang Xinchai Diesel Engine Co., Ltd.	6ZHXL3.17XCD

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Manufacturer	Engine Families
AB Volvo Penta	7VPXL09.4BAA
AB Volvo Penta	7VPXL12.1BAA
AB Volvo Penta	7VPXL16.1ACB
Caterpillar	7CPXL07.2ESL
Caterpillar	7CPXL08.8ESK
Caterpillar	7CPXL11.1ESK
Caterpillar	7CPXL12.5ESK
Caterpillar	7CPXL15.2ESK
Caterpillar	7CPXL15.2ESL
Caterpillar	7CPXL18.1ESK
Caterpillar	7CPXL18.1ESL
Caterpillar	7CPXL27.0ESK
Caterpillar	7CPXL27.0ESL
Caterpillar	7CPXL32.0ESK
Caterpillar	7CPXL34.5E2W
Caterpillar	7CPXL34.5T2E
Caterpillar	7CPXL51.8E2W
Caterpillar	7CPXL58.6T2E
Caterpillar	7CPXL78.1T2E
CNH Engine Corp.	7NHXL04.5DCA
CNH Engine Corp.	7NHXL06.7DCA
CNH Engine Corp.	7NHXL06.7DCB
CNH Engine Corp.	7X9XL0505AAE
CNH Engine Corp.	7X9XL0540AAB
Cummins	7CEXL045.AAA
Cummins	7CEXL078.AAA
Cummins	7CEXL015.AAA

Manufacturer	Engine Families
Cummins	7CEXL015.AAB
Cummins	7CEXL015.AAE
Cummins	7CEXL015.AAH
Cummins	7CEXL019.AAD
Cummins	7CEXL023.AAA
Cummins	7CEXL023.AAB
Cummins	7CEXL023.AAC
Cummins	7CEXL0239AAG
Cummins	7CEXL0275AAB
Cummins	7CEXL0275AAG
Cummins	7CEXL0275AAK
Cummins	7CEXL03.3ACD
Cummins	7CEXL03.3ACE
Cummins	7CEXL030.AAB
Cummins	7CEXL030.AAD
Cummins	7CEXL030.AAE
Cummins	7CEXL030.ABA
Cummins	7CEXL0409AAB
Cummins	7CEXL0409AAC
Cummins	7CEXL0409AAD
Cummins	7CEXL050.AAC
Cummins	7CEXL050.AAD
Cummins	7CEXL0505AAE
Cummins	7CEXL0540AAB
Cummins	7CEXL060.AAB
Cummins	7CEXL060.AAD
Cummins	7CEXL0661AAF
Cummins	7CEXL0661AAG
Cummins	7CEXL0661AAH
Cummins	7CEXL0661AAJ
Cummins	7CEXL078.AAB
Cummins	7CEXL2.28A41
Cummins	7CEXL2.28A42
Daedong	7DCLL02.4B87
DAIMLERCHRYSLER	7MBXL12.8RJB
DAIMLERCHRYSLER	7MBXL15.9RJA
Deere	7JDXL06.8049
Deere	7JDXL04.5075
Deere	7JDXL04.5081
Deere	7JDXL04.5107
Deere	7JDXL06.8038
Deere	7JDXL06.8048
Deere	7JDXL06.8049
Deere	7JDXL06.8080
Deere	7JDXL06.8101
Deere	7JDXL06.8104
Deere	7JDXL06.8106
Deere	7JDXL08.1037
Deere	7JDXL09.0102

Manufacturer	Engine Families
Deere	7JDXL12.5035
Deere	7JDXL12.5073
Deere	7JDXL13.5103
Detroit Diesel	7DDXL14.0VLD
Detroit Diesel	7DDXL14.0WLD
Detroit Diesel	7DDXL7.20RJA
Deutz	7DZXL03.1039
Deutz	7DZXL03.1066
Deutz	7DZXL04.1069
Deutz	7DZXL04.1070
Deutz	7DZXL04.1076
Deutz	7DZXL04.1078
Deutz	7DZXL04.1079
Deutz	7DZXL04.1080
Deutz	7DZXL04.8064
Deutz	7DZXL04.8068
Deutz	7DZXL04.8071
Deutz	7DZXL06.1038
Deutz	7DZXL06.1059
Deutz	7DZXL06.1060
Deutz	7DZXL06.1061
Deutz	7DZXL06.1063
Deutz	7DZXL06.1067
Deutz	7DZXL06.1077
Deutz	7DZXL06.5042
Deutz	7DZXL07.1051
Deutz	7DZXL07.1053
Deutz	7DZXL07.1055
Deutz	7DZXL07.1056
Deutz	7DZXL15.9065
Doosan Infracore	7DZXL03.1039
Doosan Infracore	7DZXL03.1066
Doosan Infracore	7DZXL04.1069
Doosan Infracore	7DZXL04.1070
Doosan Infracore	7DZXL04.1076
Doosan Infracore	7DZXL04.1078
GNH UK LTD	7NHXL06.7DCC
Hino Motors	7HMXL05.1JTA
Hino Motors	7HMXL07.7JTM
Hino Motors	7HMXL10.5PUN
Hino Motors	7HMXL10.5PUP
Hino Motors	7HMXL12.9EUV
Isuzu	7SZXL03.0IXA
Isuzu	7SZXL03.1GTB
Isuzu	7SZXL05.2HXA
Isuzu	7SZXL05.2IXA
Isuzu	7SZXL07.8HXA
Isuzu	7SZXL07.8HXB
Isuzu	7SZXL09.8HXA

Manufacturer	Engine Families
Isuzu	7SZXL09.8HXB
Isuzu	7SZXL15.7HXA
Isuzu	7SZXL15.7HXB
IVECO	7VEXL04.5DCA
IVECO	7VEXL06.7DCA
IVECO	7VEXL06.7DCB
IVECO	7VEXL06.7DCC
IVECO	7VEXL06.7DGB
IVECO	7VEXL06.7DGS
IVECO	7VEXL08.7TR3
IVECO	7VEXL10.3MLR
IVECO	7VEXL10.3TR3
IVECO	7VEXL12.9IGR
IVECO	7VEXL12.9MLR
IVECO	7VEXL12.9TR3
IVECO	7VEXL20.1DSL
Komatsu	7KLXL0275AAG
Komatsu	7KLXL03.3JA6
Komatsu	7KLXL03.3JB6
Komatsu	7KLXL0359AAE
Komatsu	7KLXL0409AAB
Komatsu	7KLXL0409AAC
Komatsu	7KLXL045.AAA
Komatsu	7KLXL050.AAC
Komatsu	7KLXL0505AAE
Komatsu	7KLXL060.AAB
Komatsu	7KLXL078.AAA
Komatsu	7KLXL11.0DD6
Komatsu	7KLXL15.2ED6
Komatsu	7KLXL15.2ED7
Komatsu	7KLXL23.2FD5
Komatsu	7KLXL23.2FD6
Komatsu	7KLXL23.2FD7
Komatsu	7KLXL30.5GD3
Kubota	7KBXL03.3BAC
Kubota	7KBXL03.3BAD
Kubota	7KBXL03.3BCC
Kubota	7KBXL03.8AHD
Kukje	7KMCL2.28A41
Kukje	7KMCL2.28A42
Liebherr	7LHAL10.5LPA
Liebherr	7LHAL10.5LPE
Liebherr	7LHAL12.0KPA
Liebherr	7LHAL12.8RMC
Liebherr	7LHAL21.9VMR
Liebherr	7LHAL24.2VCE
Liebherr	7LHAL24.2VCI
Liebherr	7LHAL9.54SPA
MAHINDRA & MAHINDRA LTD.,	7MMLL03.2NTY

Manufacturer	Engine Families
Mitsubishi Heavy Industries	7MVXL24.5BBA
Mitsubishi Heavy Industries	7MVXL33.9BBA
Mitsubishi Heavy Industries	7MVXL37.1BBA
Mitsubishi Heavy Industries	7MVXL49.0BBA
Mitsubishi Heavy Industries	7MVXL65.4BBA
Mitsubishi Heavy Industries	7MVXL05.0AAC
MotorenFabrik HATZ GMBH	7HZXL2.57C41
MotorenFabrik HATZ GMBH	7HZXL3.43C42
MTU Detroit Diesel, Inc.	7MDDL31.8XRR
MTU Detroit Diesel, Inc.	7MDDL95.4XTR
Perkins	7PKXL03.3DD1
Perkins	7PKXL04.4RE1
Perkins	7PKXL06.6PJ1
Perkins	7PKXL15.2TA2
Perkins	7PKXL15.2TAG
Perkins	7PKXL18.1TAG
Scania	7Y9XL11.7BBA
Scania	7Y9XL11.7BBB
Scania	7Y9XL15.6BDE
Shandong Weichai Huafeng Power	7SDWL7.52AAA
Sisu Diesel	7SIDL03.3G4A
Sisu Diesel	7SIDL07.4G4D
Sisu Diesel	7SIDL07.4G5B
Sisu Diesel	7SIDL07.4G5C
Sisu Diesel	7SIDL08.4H5B
Volvo Construction Equipment AB	7VSXL09.4CE3
Volvo Construction Equipment AB	7VSXL12.1CE3
Volvo Construction Equipment AB	7VSXL16.1CE3
Yanmar	7YDXL3.05P4N
Yanmar	7YDXL3.32J4N
Yanmar	7YDXL3.32J4T

Model Year 2008 Engines

Manufacturer	Engine Families
AB Volvo Penta	8VPXL09.4BAA
AB Volvo Penta	8VPXL12.1BAA
AB Volvo Penta	8VPXL12.8BCA
AB Volvo Penta	8VPXL16.1ACB
AB Volvo Penta	8VPXL16.1ACW
Caterpillar	8CPXL07.2ESL
Caterpillar	8CPXL08.8ESK
Caterpillar	8CPXL106.T2E
Caterpillar	8CPXL11.1ESK
Caterpillar	8CPXL12.5ESK
Caterpillar	8CPXL15.2ELW
Caterpillar	8CPXL15.2ESW
Caterpillar	8CPXL18.1ESK
Caterpillar	8CPXL18.1ESW

Manufacturer	Engine Families
Caterpillar	8CPXL18.1ESX
Caterpillar	8CPXL27.0ESK
Caterpillar	8CPXL27.0ESW
Caterpillar	8CPXL27.0ESX
Caterpillar	8CPXL32.0ESW
Caterpillar	8CPXL32.0ESX
Caterpillar	8CPXL34.5E2W
Caterpillar	8CPXL34.5T2E
Caterpillar	8CPXL51.8E2W
Caterpillar	8CPXL58.6T2E
Caterpillar	8CPXL58.6T2X
Caterpillar	8CPXL78.1E2W
Caterpillar	8CPXL78.1T2E
CNH Engine Corp.	8X9XL0540AAB
CNH Engine Corp.	8NHXL04.5DCA
CNH Engine Corp.	8NHXL06.7DCA
CNH Engine Corp.	8NHXL06.7DCB
Cummins	8CEXL015.AAA
Cummins	8CEXL015.AAB
Cummins	8CEXL015.AAE
Cummins	8CEXL015.AAH
Cummins	8CEXL015.AAJ
Cummins	8CEXL019.AAD
Cummins	8CEXL023.AAA
Cummins	8CEXL023.AAB
Cummins	8CEXL023.AAC
Cummins	8CEXL0275AAG
Cummins	8CEXL0275AAK
Cummins	8CEXL03.3ACD
Cummins	8CEXL03.3ACE
Cummins	8CEXL030.AAB
Cummins	8CEXL030.AAD
Cummins	8CEXL030.ABA
Cummins	8CEXL0409AAB
Cummins	8CEXL0409AAC
Cummins	8CEXL0409AAD
Cummins	8CEXL045.AAA
Cummins	8CEXL050.AAC
Cummins	8CEXL050.AAD
Cummins	8CEXL0505AAE
Cummins	8CEXL0540AAB
Cummins	8CEXL060.AAB
Cummins	8CEXL060.AAD
Cummins	8CEXL0661AAF
Cummins	8CEXL0661AAG
Cummins	8CEXL0661AAH
Cummins	8CEXL0661AAJ
Cummins	8CEXL078.AAA
Cummins	8CEXL078.AAB

Manufacturer	Engine Families
DAIMLERCHRYSLER	8MBXL07.2RJA
DAIMLERCHRYSLER	8MBXL12.8RJB
DAIMLERCHRYSLER	8MBXL15.9RJA
Deere	8JDXL04.5075
Deere	8JDXL04.5107
Deere	8JDXL06.8038
Deere	8JDXL06.8049
Deere	8JDXL06.8080
Deere	8JDXL06.8101
Deere	8JDXL06.8104
Deere	8JDXL06.8106
Deere	8JDXL08.1037
Deere	8JDXL09.0102
Deere	8JDXL09.0114
Deere	8JDXL12.5035
Deere	8JDXL13.5103
Detroit Diesel	8DDXL14.0VLD
Deutz	8DZXL03.2088
Deutz	8DZXL03.6081
Deutz	8DZXL03.6082
Deutz	8DZXL03.6084
Deutz	8DZXL03.6086
Deutz	8DZXL03.6097
Deutz	8DZXL04.1069
Deutz	8DZXL04.1070
Deutz	8DZXL04.1076
Deutz	8DZXL04.1078
Deutz	8DZXL04.1080
Deutz	8DZXL04.8064
Deutz	8DZXL04.8068
Deutz	8DZXL06.1057
Deutz	8DZXL06.1059
Deutz	8DZXL06.1060
Deutz	8DZXL06.1061
Deutz	8DZXL06.1063
Deutz	8DZXL06.1067
Deutz	8DZXL06.1077
Deutz	8DZXL07.1051
Deutz	8DZXL07.1053
Deutz	8DZXL07.1055
Deutz	8DZXL07.1056
Deutz	8DZXL15.9065
Doosan Infracore	8DWXL05.8UTA
Doosan Infracore	8DWXL07.6UPA
Doosan Infracore	8DWXL11.0UJA
Doosan Infracore	8DWXL21.9UYA
Hino Motors	8HMXL05.1JTA
ISHIKAWAJIMA	8H3XL2.00N4T
Isuzu	8SZXL02.2UTA

Manufacturer	Engine Families
Isuzu	8SZXL03.0IXA
Isuzu	8SZXL03.0JXA
Isuzu	8SZXL03.0JXB
Isuzu	8SZXL05.2HXA
Isuzu	8SZXL05.2IXA
Isuzu	8SZXL05.2IXB
Isuzu	8SZXL07.8HXA
Isuzu	8SZXL07.8HXB
Isuzu	8SZXL09.8HXA
Isuzu	8SZXL09.8HXB
Isuzu	8SZXL15.7HXA
Isuzu	8SZXL15.7HXB
IVECO	8VEXL04.5DCA
IVECO	8VEXL06.7DCA
IVECO	8VEXL06.7DCB
IVECO	8VEXL06.7DGB
IVECO	8VEXL06.7DGS
IVECO	8VEXL08.7TR3
IVECO	8VEXL10.3MLR
IVECO	8VEXL10.3TR3
IVECO	8VEXL12.9IGR
IVECO	8VEXL12.9MLR
IVECO	8VEXL12.9TCD
IVECO	8VEXL20.1DSL
JCB POWER SYSTEMS	8JCBL04.4TA7
JCB POWER SYSTEMS	8JCBL04.4TA8
JCB POWER SYSTEMS	8JCBL04.4TAE
JCB POWER SYSTEMS	8JCBL04.4TC6
Komatsu	8KLXL0275AAG
Komatsu	8KLXL03.3JA6
Komatsu	8KLXL03.3JB6
Komatsu	8KLXL0409AAB
Komatsu	8KLXL0409AAC
Komatsu	8KLXL050.AAC
Komatsu	8KLXL0505AAE
Komatsu	8KLXL060.AAA
Komatsu	8KLXL060.AAB
Komatsu	8KLXL078.AAA
Komatsu	8KLXL11.0DD6
Komatsu	8KLXL15.2ED6
Komatsu	8KLXL15.2ED7
Komatsu	8KLXL23.2FD5
Komatsu	8KLXL23.2FD6
Komatsu	8KLXL23.2FD7
Komatsu	8KLXL30.5GD3
Kubota	8KBXL03.6DAD
Kubota	8KBXL03.8AAC
Kubota	8KBXL03.8AGD
Liebherr	8LHAL10.5LPA

Manufacturer	Engine Families
Liebherr	8LHAL10.5LPE
Liebherr	8LHAL12.0KPA
Liebherr	8LHAL12.8RMC
Liebherr	8LHAL24.2VCE
Liebherr	8LHAL9.54SPA
Liebherr	8LHAL21.9VMR
Mitsubishi Heavy Industries	8MVXL04.2CCC
Mitsubishi Heavy Industries	8MVXL24.5BBA
Mitsubishi Heavy Industries	8MVXL33.9BBA
Mitsubishi Heavy Industries	8MVXL37.1BBA
Mitsubishi Heavy Industries	8MVXL49.0BBA
Mitsubishi Heavy Industries	8MVXL65.4BBA
MotorenFabrik HATZ GMBH	8HZXL3.43C42
MotorenFabrik HATZ GMBH	8HZXL3.43V42
MTU Detroit Diesel, Inc.	8MDDL31.8XRR
MTU Detroit Diesel, Inc.	8MDDL35.8GRR
MTU Detroit Diesel, Inc.	8MDDL95.4XTR
Perkins	8PKXL04.4NJ1
Perkins	8PKXL06.6PJ1
Perkins	8PKXL15.2TA2
Perkins	8PKXL15.2TAG
Perkins	8PKXL18.1TAG
Scania	8Y9XL11.7BBA
Scania	8Y9XL11.7BBB
Scania	8Y9XL15.6BDE
Volvo Construction Equipment AB	8VSXL09.4CE3
Volvo Construction Equipment AB	8VSXL12.1CE3
Volvo Construction Equipment AB	8VSXL16.1CE3
Yanmar	8YDXL3.32C4N
Yanmar	8YDXL3.32C4T
Yanmar	8YDXL3.32M4T

Model Year 2009 Engines

Manufacturer	Engine Families
AB Volvo Penta	9VPXL09.4BAA
AB Volvo Penta	9VPXL12.1BAA
AB Volvo Penta	9VPXL12.8BCA
AB Volvo Penta	9VPXL16.1ACB
AB Volvo Penta	9VPXL16.1ACW
AB Volvo Penta	9VPXL16.1BEA
AB Volvo Penta	9VSXL09.4CE3
AB Volvo Penta	9VSXL12.1CE3
AB Volvo Penta	9VSXL16.1CE3
Caterpillar	9CPXL07.2ESL
Caterpillar	9CPXL08.8ESK
Caterpillar	9CPXL106.T2E
Caterpillar	9CPXL11.1ESK
Caterpillar	9CPXL12.5ESK

Manufacturer	Engine Families
Caterpillar	9CPXL12.5ESX
Caterpillar	9CPXL15.2ELW
Caterpillar	9CPXL15.2ESW
Caterpillar	9CPXL18.1ESK
Caterpillar	9CPXL18.1ESW
Caterpillar	9CPXL18.1ESX
Caterpillar	9CPXL27.0ESK
Caterpillar	9CPXL27.0ESW
Caterpillar	9CPXL27.0ESX
Caterpillar	9CPXL32.0ESP
Caterpillar	9CPXL32.0ESW
Caterpillar	9CPXL32.0ESX
Caterpillar	9CPXL34.5T2C
Caterpillar	9CPXL34.5T2E
Caterpillar	9CPXL58.6T2E
Caterpillar	9CPXL58.6T2X
Caterpillar	9CPXL58.6T2Y
Caterpillar	9CPXL78.1E2W
Caterpillar	9CPXL78.1T2E
Caterpillar	9CPXL78.1T2Y
Caterpillar	9CPXL78.1T2X
CNH UK LTD	9NHXL04.5DCA
CNH UK LTD	9NHXL06.7DCA
CNH UK LTD	9NHXL06.7DCB
Cummins	9CEXL015.AAA
Cummins	9CEXL015.AAE
Cummins	9CEXL015.AAH
Cummins	9CEXL015.AAJ
Cummins	9CEXL019.AAD
Cummins	9CEXL023.AAA
Cummins	9CEXL023.AAB
Cummins	9CEXL023.AAC
Cummins	9CEXL0275AAG
Cummins	9CEXL0275AAH
Cummins	9CEXL0275AAK
Cummins	9CEXL03.3ACD
Cummins	9CEXL03.ACE
Cummins	9CEXL030.AAB
Cummins	9CEXL030.AAD
Cummins	9CEXL030.ABA
Cummins	9CEXL0409AAB
Cummins	9CEXL0409AAC
Cummins	9CEXL0409AAD
Cummins	9CEXL045.AAA
Cummins	9CEXL050.AAC
Cummins	9CEXL050.AAD
Cummins	9CEXL050.AAF
Cummins	9CEXL0505AAE
Cummins	9CEXL0540AAB

Manufacturer	Engine Families
Cummins	9CEXL0540AAD
Cummins	9CEXL060.AAB
Cummins	9CEXL060.AAD
Cummins	9CEXL0661AAF
Cummins	9CEXL0661AAG
Cummins	9CEXL0661AAH
Cummins	9CEXL0661AAJ
Cummins	9CEXL078.AAA
Cummins	9CEXL2.28A41
Detroit Diesel	9DDXL14.DVLD
Deutz	9DZXL04.8073
Deutz	9DZXL03.2088
Deutz	9DZXL03.6081
Deutz	9DZXL03.6082
Deutz	9DZXL03.6084
Deutz	9DZXL03.6086
Deutz	9DZXL03.6097
Deutz	9DZXL04.1069
Deutz	9DZXL04.1070
Deutz	9DZXL04.1072
Deutz	9DZXL04.1076
Deutz	9DZXL04.1078
Deutz	9DZXL04.1080
Deutz	9DZXL04.8064
Deutz	9DZXL04.8068
Deutz	9DZXL06.1057
Deutz	9DZXL06.1059
Deutz	9DZXL06.1060
Deutz	9DZXL06.1061
Deutz	9DZXL06.1063
Deutz	9DZXL06.1067
Deutz	9DZXL06.1077
Deutz	9DZXL07.1051
Deutz	9DZXL07.1052
Deutz	9DZXL07.1053
Deutz	9DZXL07.1055
Deutz	9DZXL07.1056
Deutz	9DZXL15.9065
DOOSAN INFRACORE	9DICL05.8UTA
DOOSAN INFRACORE	9DICL07.6UPA
DOOSAN INFRACORE	9DICL11.0UJA
HINO MOTORS	9HMXL04.0NUA
HINO MOTORS	9HMXL05.1JTA
HINO MOTORS	9HMXL07.7JTM
HINO MOTORS	9HMXL10.5PUN
HINO MOTORS	9HMXL10.5PUP
HINO MOTORS	9HXML12.9EUV
Isuzu	9SZXL03.0IXA
Isuzu	9SZXL03.0JXA

Manufacturer	Engine Families
Isuzu	9SZXL03.0JXB
Isuzu	9SZXL05.2HXA
Isuzu	9SZXL05.2IXA
Isuzu	9SZXL05.2IXB
Isuzu	9SZXL07.8HXA
Isuzu	9SZXL07.8HXB
Isuzu	9SZXL09.8HXA
Isuzu	9SZXL09.8HXB
Isuzu	9SZXL15.7HXA
Isuzu	9SZXL15.7HXB
IVECO	9VEXL04.5DCA
IVECO	9VEXL06.7DCA
IVECO	9VEXL06.7DCB
IVECO	9VEXL06.7DGB
IVECO	9VEXL06.7DGS
IVECO	9VEXL08.7TR3
IVECO	9VEXL10.3MLR
IVECO	9VEXL10.3TR3
IVECO	9VEXL12.9IGR
IVECO	9VEXL12.9MLR
IVECO	9VEXL12.9TCD
IVECO	9VEXL20.1DSL
JCB Power Systems	9JCBL04.4TA7
JCB Power Systems	9JCBL04.4TA8
JCB Power Systems	9JCBL04.4TAE
JCB Power Systems	9JCBL04.4TC6
John Deere Power	9JDXL03.0203
John Deere Power	9JDXL04.5107
John Deere Power	9JDXL06.8049
John Deere Power	9JDXL06.8080
John Deere Power	9JDXL06.8101
John Deere Power	9JDXL06.8104
John Deere Power	9JDXL06.8106
John Deere Power	9JDXL08.1037
John Deere Power	9JDXL09.0102
John Deere Power	9JDXL09.0114
John Deere Power	9JDXL13.5103
Komatsu	9KLXL0275AAG
Komatsu	9KLXL03.3JA6
Komatsu	9KLXL03.3JB6
Komatsu	9KLXL0409AAB
Komatsu	9KLXL0409AAC
Komatsu	9KLXL050.AAC
Komatsu	9KLXL0505AAE
Komatsu	9KLXL060.AAA
Komatsu	9KLXL060.AAB
Komatsu	9KLXL11.0DD6
Komatsu	9KLXL15.2ED7
Komatsu	9KLXL15.2ED6

Manufacturer	Engine Families
Komatsu	9KLXL23.2FD5
Komatsu	9KLXL23.2FD6
Komatsu	9KLXL23.2FD7
Komatsu	9KLXL30.5GD3
Kubota	9KBXL03.6BAC
Kubota	9KBXL03.6DAD
Kubota	9KBXL03.8AAC
Kubota	9KBXL03.8AGD
Kubota	9KBXL03.8AHD
Kubota	9KBXL06.1AHD
Liebherr Machines	9LHAL9.54SPA
Liebherr Machines	9LHAL10.5LPA
Liebherr Machines	9LHAL10.5LPE
Liebherr Machines	9LHAL12.0KPA
Liebherr Machines	9LHAL12.8RMC
Liebherr Machines	9LHAL24.2VCE
Liebherr Machines	9LHAL24.2VCI
Mitsubishi	9MFTL02.8M4B
Mitsubishi	9MFTL04.9M5A
Mitsubishi	9MFTL07.5M6A
Mitsubishi	9MFTL12.9M7A
Mitsubishi	9MVXL03.3AAC
Mitsubishi	9MVXL04.2CCC
Mitsubishi	9MVXL24.5BBA
Mitsubishi	9MVXL33.9BBA
Mitsubishi	9MVXL37.1BBA
Mitsubishi	9MVXL49.0BBA
Mitsubishi	9MVXL65.4BBA
MOTORENFABRIK	9HZXL2.57C41
MOTORENFABRIK	9HZXL3.43C42
MOTORENFABRIK	9HZXL3.43V42
MTU DETROIT DIESEL	9MDDL31.8XRR
MTU DETROIT DIESEL	9MDDL35.8GRR
NAVISTAR	9NVXL0466ANA
Perkins Engines	9PKXL06.6PJ1
Perkins Engines	9PKXL06.6PJ2
Perkins Engines	9PKXL12.5TAG
Perkins Engines	9PKXL15.2TAG
Perkins Engines	9PKXL18.1TAG
Scania	9Y9XL11.7BBA
Scania	9Y9XL11.7BBB
Scania	9Y9XL15.6BDE
Yanmar	9YDXL3.05K4N
Yanmar	9YDXL3.32C4N
Yanmar	9YDXL3.32C4T
Yanmar	9YDXL3.32M4N
Yanmar	9YDXL3.32M4T

Model Year 2010 Engines

Manufacturer	Engine Families
AGCO SISU POWER	ASIDL07.4G4D
AGCO SISU POWER	ASIDL07.4G4E
AGCO SISU POWER	ASIDL07.4G5B
AGCO SISU POWER	ASIDL07.4G5C
AGCO SISU POWER	ASIDL08.4H5B
AGCO SISU POWER	ASIDL08.4H6A
AB Volvo Penta	AVPXL16.1ACB
AB Volvo Penta	AVPXL16.1ACG
AB Volvo Penta	AVPXL16.1ACW
Caterpillar	ACPXL07.2ESL
Caterpillar	ACPXL08.8ESK
Caterpillar	ACPXL08.8ESL
Caterpillar	ACPXL08.8ESX
Caterpillar	ACPXL10.3ESL
Caterpillar	ACPXL106.T2E
Caterpillar	ACPXL106.T2M
Caterpillar	ACPXL11.1ESK
Caterpillar	ACPXL12.5ESK
Caterpillar	ACPXL12.5ESX
Caterpillar	ACPXL14.6ESK
Caterpillar	ACPXL15.2ELW
Caterpillar	ACPXL15.2ESW
Caterpillar	ACPXL15.2ESX
Caterpillar	ACPXL15.2NZV
Caterpillar	ACPXL18.1ESK
Caterpillar	ACPXL18.1ESW
Caterpillar	ACPXL18.1ESX
Caterpillar	ACPXL27.0ESK
Caterpillar	ACPXL27.0ESW
Caterpillar	ACPXL27.0ESX
Caterpillar	ACPXL32.0ESP
Caterpillar	ACPXL32.0ESW
Caterpillar	ACPXL32.0ESX
Caterpillar	ACPXL34.5T2C
Caterpillar	ACPXL34.5T2E
Caterpillar	ACPXL58.6T2E
Caterpillar	ACPXL58.6T2X
Caterpillar	ACPXL58.6T2Y
Caterpillar	ACPXL68.6T2Z
Caterpillar	ACPXL78.1E2W
Caterpillar	ACPXL78.1T2E
Caterpillar	ACPXL78.1T2X
Caterpillar	ACPXL78.1T2Y
Cummins	ACEXL015.AAE
Cummins	ACEXL015.AAH
Cummins	ACEXL015.AAJ
Cummins	ACEXL019.AAD

Manufacturer	Engine Families
Cummins	ACEXL023.AAA
Cummins	ACEXL023.AAB
Cummins	ACEXL023.AAC
Cummins	ACEXL0275AAG
Cummins	ACEXL0275AAK
Cummins	ACEXL03.3ACD
Cummins	ACEXL03.3ACE
Cummins	ACEXL030.AAB
Cummins	ACEXL030.AAD
Cummins	ACEXL030.ABA
Cummins	ACEXL0409AAB
Cummins	ACEXL0409AAC
Cummins	ACEXL0409AAD
Cummins	ACEXL045.AAA
Cummins	ACEXL050.AAC
Cummins	ACEXL050.AAD
Cummins	ACEXL050.AAF
Cummins	ACEXL0505AAE
Cummins	ACEXL0540AAB
Cummins	ACEXL0540AAC
Cummins	ACEXL0540AAD
Cummins	ACEXL060.AAB
Cummins	ACEXL060.AAD
Cummins	ACEXL060.AAD
Cummins	ACEXL0661AAF
Cummins	ACEXL0661AAG
Cummins	ACEXL0661AAJ
Cummins	ACEXL078.AAA
DAIMLERCHRYSLER	AMBXL07.2RJA
DAIMLERCHRYSLER	AMBXL12.8RJB
DAIMLERCHRYSLER	AMBXL15.9RJA
Deutz	ADZXL04.8064
DOOSAN INFRACORE	ADICL05.8UTA
DOOSAN INFRACORE	ADICL07.6UPA
DOOSAN INFRACORE	ADICL11.0UJA
ISEKI MATSUYAMA	AICLL2.96D4H
ISEKI MATSUYAMA	AICLL3.37D4I
IVECO N.V.	AVEXL12.9MLR
IVECO N.V.	AVEXL12.9TCD
IVECO S.P.	AVEXL06.7DGS
IVECO S.P.	AVEXL08.7TR3
IVECO S.P.	AVEXL10.3MLR
IVECO S.P.	AVEXL10.3TR3
IVECO S.P.	AVEXL12.9IGR
IVECO S.P.	AVEXL12.9MLR
IVECO S.P.	AVEXL12.9TCD
IVECO S.P.	AVEXL20.1DSL
JCB Power Systems	AJCBL04.4TA7
JCB Power Systems	AJCBL04.4TA8

Manufacturer	Engine Families
JCB Power Systems	AJCBL04.4TAE
JCB Power Systems	AJCBL04.4TC6
John Deere Power	AJDXL03.0203
John Deere Power	AJDXL04.5107
John Deere Power	AJDXL06.8049
John Deere Power	AJDXL06.8080
John Deere Power	AJDXL06.8104
John Deere Power	AJDXL06.8106
John Deere Power	AJDXL06.8117
John Deere Power	AJDXL08.1037
John Deere Power	AJDXL09.0098
John Deere Power	AJDXL09.0114
John Deere Power	AJDXL09.0901
Komatsu	AKLXL0275AAG
Komatsu	AKLXL03.3JA6
Komatsu	AKLXL03.3JB6
Komatsu	AKLXL0409AAB
Komatsu	AKLXL0409AAC
Komatsu	AKLXL050.AAC
Komatsu	AKLXL0505AAE
Komatsu	AKLXL060.AAA
Komatsu	AKLXL060.AAB
Komatsu	AKLXL078.AAA
Komatsu	AKLXL23.2FD5
Komatsu	AKLXL23.2FD7
Komatsu	AKLXL30.5GD3
Komatsu	AKLXL78.0ZD1
Liebherr Machines	ALHAL10.5LPA
Liebherr Machines	ALHAL12.0KPA
Liebherr Machines	ALHAL9.54SPA
Liebherr Machines	ALHAL24.2VCI
Liebherr Werk	ALHAL21.9VMR
MAHINDRA & MAHINDRA	AMMLL02.5N64
Mitsubishi Fuso Truck and Bus	AMFTL02.8M4B
Mitsubishi Heavy Industries	AMVXL04.2CCC
Mitsubishi Heavy Industries	AMVXL24.5BBA
Mitsubishi Heavy Industries	AMVXL33.9BBA
Mitsubishi Heavy Industries	AMVXL37.1BBA
Mitsubishi Heavy Industries	AMVXL49.0BBA
Mitsubishi Heavy Industries	AMVXL65.4BBA
Mitsubishi Heavy Industries	AMVXL65.4BBB
MTU DETROIT DIESEL	AMDDL21.0GWR
MTU DETROIT DIESEL	AMDDL31.8XRR
MTU DETROIT DIESEL	AMDDL35.8GRR
MTU DETROIT DIESEL	AMDDL95.4XTR
Perkins Engines	APKXL06.6PJ1
Perkins Engines	APKXL06.6PJ2
Perkins Engines	APKXL12.5TAG
Perkins Engines	APKXL15.2TA2

Manufacturer	Engine Families
SCANIA AB	AY9XL11.7BBA
SCANIA AB	AY9XL11.7BBB
SCANIA AB	AY9XL15.6BDE
SCANIA AB	APKXL15.2TAG
SCANIA AB	APKXL18.1TAG
VM MOTORI S.P.A.	AV5XL04.5T60

Model Year 2011 Engines

Manufacturer	Engine Families
AGCO SISU POWER	BSIDL07.4G5C
Caterpillar	BCPXL11.1ESK
Caterpillar	BCPXL12.5ESK
Caterpillar	BCPXL15.2ESW
Caterpillar	BCPXL18.1ESK
CNH UK LTD.	BNHXL04.5DCA
CNH UK LTD.	BNHXL06.7DCA
CNH UK LTD.	BNHXL06.7DCB
Cummins	BCEXL0275AAG
Cummins	BCEXL03.3ACD
Cummins	BCEXL03.3ACE
Cummins	BCEXL0409AAC
Cummins	BCEXL050.AAC
Cummins	BCEXL060.AAB
Daimler AG	BMBXL04.3RJA
DOOSAN INFRACORE	BDICL05.8UTA
ISEKI MATSUYAMA	BICLL3.37D4I
IVECO S.P.A	BVEXL04.5DCA
IVECO S.P.A	BVEXL06.7DCA
IVECO S.P.A	BVEXL06.7DCB
JCB POWER SYSTEMS LTD.	BJCBL04.4TA7
JCB POWER SYSTEMS LTD.	BJCBL04.4TA8
JCB POWER SYSTEMS LTD.	BJCBL04.4TC6
JCB POWER SYSTEMS LTD.	BJCDL04.4TAE
John Deere Power	BJDXL03.0203
John Deere Power	BJDXL04.5107
John Deere Power	BJDXL06.8104
John Deere Power	BJDXL06.8106
John Deere Power	BJDXL06.8117
Komatsu	BKLXL0275AAG
Komatsu	BKLXL03.3JA6
Komatsu	BKLXL03.3JB6
Komatsu	BKLXL0409AAC
KUBOTA	BKBXL02.4HAD
KUBOTA	BKBXL03.6BCD
Mitsubishi Fuso Truck and Bus	BMFTL02.8M4B
Mitsubishi Fuso Truck and Bus	BMFTL02.8M4B
Mitsubishi Heavy Industries	BMVXL04.2CCC
Perkins Engines	BPKXL06.6PJ2

Manufacturer	Engine Families
Perkins Engines	BPKXL06.6PJ3
VM MOTORI S.P.A.	BV5XL04.5T60

Model Year 2012 Engines

Manufacturer	Engine Families
Caterpillar	CCPXL11.1ESK
Caterpillar	CCPXL12.5ESK
Caterpillar	CCPXL15.2ESW
Caterpillar	CCPXL18.1ESK
Caterpillar	CCPXL07.2ESJ
Caterpillar	CCPXL08.8ESJ
Caterpillar	CCPXL11.1ESJ
Caterpillar	CCPXL12.5ESJ
Caterpillar	CCPXL15.2ESJ
Caterpillar	CCPXL18.1ESJ
Caterpillar	CCPXL27.0ESJ
Perkins Engines	CPKXL06.6PJ3

Model Year 2013 Engines

Manufacturer	Engine Families
Caterpillar	DCPXL07.2ESJ
Caterpillar	DCPXL08.8ESJ
Caterpillar	DCPXL11.1ESJ
Caterpillar	DCPXL12.5ESJ
Caterpillar	DCPXL18.1ESJ
Caterpillar	DCPXL08.8NZS
Caterpillar	DCPXL106.NZS
Caterpillar	DCPXL15.2NYS
Caterpillar	DCPXL15.2NZS
Caterpillar	DCPXL18.1ESJ
Caterpillar	DCPXL18.1NYS
Caterpillar	DCPXL18.1NZS
Caterpillar	DCPXL27.0NZS
Caterpillar	DCPXL32.0NZS
Caterpillar	DCPXL78.1NZS
Cummins	DCEXL015.AAH
Cummins	DCEXL015.AAJ
Cummins	DCEXL019.AAD
Cummins	DCEXL023.AAB
Cummins	DCEXL0275AAG
Cummins	DCEXL0275AAK
Cummins	DCEXL030.AAD
Cummins	DCEXL0409AAB
Cummins	DCEXL0409AAC
Cummins	DCEXL0409AAD
Cummins	DCEXL050.AAD
Cummins	DCEXL0505AAE

Manufacturer	Engine Families
Cummins	DCEXL0540AAB
Cummins	DCEXL060.AAD
Cummins	DCEXL0661AAH
John Deere Power	DJDXL04.5119
John Deere Power	DJDXL06.8104
John Deere Power	DJDXL06.8106
John Deere Power	DJDXL06.8120
John Deere Power	DJDXL09.0114
John Deere Power	DJDXL13.5132
Detroit Diesel	DDDXL14.0WLD
DOOSAN INFRACORE	DDICL18.3USA
DOOSAN INFRACORE	DDICL21.9UYA
FPT INDUSTRIAL	DFPXL06.7DGB
FPT INDUSTRIAL	DFPXL06.7DGS
FPT INDUSTRIAL	DFPXL08.7TR3
FPT INDUSTRIAL	DFPXL10.3TR3
Komatsu	DKLXL060.AAE
Komatsu	DKLXL23.2FD5
KUKJE MACHINERY	DKMCL3.41D43
Mitsubishi Heavy Industries	DMVXL24.5BBA
Mitsubishi Heavy Industries	DMVXL33.9BBA
Mitsubishi Heavy Industries	DMVXL37.1BBA
Mitsubishi Heavy Industries	DMVXL49.0BBA
Mitsubishi Heavy Industries	DMVXL65.4BBA
Mitsubishi Heavy Industries	DMVXL65.4BBB
MTU DETROIT DIESEL	DMDDL14.0ZWK
MTU DETROIT DIESEL	DMDDL21.0ZWR
MTU DETROIT DIESEL	DMDDL31.8XRR
MTU DETROIT DIESEL	DMDDL35.8GRR
MTU DETROIT DIESEL	DMDDL95.4XTR
Perkins Engines	DPKXL04.4NJ1
Perkins Engines	DPKXL06.6PJ1
Perkins Engines	DPKXL06.6PJ2
Perkins Engines	DPKXL06.6PJ3
Perkins Engines	DPKXL12.5TAG
Perkins Engines	DPKXL15.2TA2
Perkins Engines	DPKXL15.2TAG
Perkins Engines	DPKXL18.1TAG
VXP	DVPXL09.4BAA
VXP	DVPXL12.8BCA
VXP	DVPXL16.1ACB
VXP	DVPXL16.1ACG
VXP	DVPXL16.1ACW
VXP	DVPXL16.1ADA
VXP	DVPXL16.1BDA
VXP	DVPXL16.1BEA

Model Year 2014 Engines

Manufacturer	Engine Families
Caterpillar	ECPXL08.8NZS
Caterpillar	ECPXL106.NZS
Caterpillar	ECPXL12.5NYS
Caterpillar	ECPXL15.2NYS
Caterpillar	ECPXL15.2NZS
Caterpillar	ECPXL18.1NYS
Caterpillar	ECPXL18.1NZS
Caterpillar	ECPXL27.0NZS
Caterpillar	ECPXL32.0NZS
Caterpillar	ECPXL78.1NZS
Cummins	ECEXL015.AAH
Cummins	ECEXL015.AAJ
Cummins	ECEXL019.AAD
Cummins	ECEXL023.AAB
Cummins	ECEXL0275AAG
Cummins	ECEXL0275AAK
Cummins	ECEXL03.3ACK
Cummins	ECEXL030.AAD
Cummins	ECEXL0409AAB
Cummins	ECEXL0409AAC
Cummins	ECEXL0409AAD
Cummins	ECEXL050.AAD
Cummins	ECEXL0505AAE
Cummins	ECEXL0540AAB
Cummins	ECEXL060.AAD
Cummins	ECEXL0661AAH
Cummins	ECEXL13.0AAA
John Deere Power	EJDXL04.5119
John Deere Power	EJDXL06.8120
John Deere Power	EJDXL09.0114
John Deere Power	EJDXL13.5132
John Deere Power	EJDXL13.5146
Detroit Diesel	EDDXL14.0WLD
DOOSAN INFRACORE	EDICL18.3USA
DOOSAN INFRACORE	EDICL21.9UYA
FPT INDUSTRIAL	EFPXL06.7DGB
FPT INDUSTRIAL	EFPXL06.7DGS
FPT INDUSTRIAL	EFPXL08.7TR3
FPT INDUSTRIAL	EFPXL10.3TR3
Komatsu	EKLXL060.AAE
Komatsu	EKLXL23.2FD5
KUKJE MACHINERY	EKMCL3.41D43
Mitsubishi Heavy Industries	EMVXL24.5BBA
Mitsubishi Heavy Industries	EMVXL33.9BBA
Mitsubishi Heavy Industries	EMVXL37.1BBA
Mitsubishi Heavy Industries	EMVXL49.0BBA
Mitsubishi Heavy Industries	EMVXL65.4BBA

Manufacturer	Engine Families
Mitsubishi Heavy Industries	EMVXL65.4BBB
MTU DETROIT DIESEL	EMDDL14.0ZWK
MTU DETROIT DIESEL	EMDDL21.0ZWR
MTU DETROIT DIESEL	EMDDL35.8GRR
MTU DETROIT DIESEL	EMDDL95.4XTR
Perkins Engines	EPKXL04.4NJ3
Perkins Engines	EPKXL06.6PJ1
Perkins Engines	EPKXL06.6PJ2
Perkins Engines	EPKXL07.0PW1
VXP	EVPXL16.1ACB
VXP	EVPXL16.1ACG
VXP	EVPXL16.1ACW

Model Year 2015 Engines

Manufacturer	Engine Families
AB Volvo Penta	FVPXL16.1ACB
AB Volvo Penta	FVPXL16.1ACW
Caterpillar Inc.	FCPXL08.8NZS
Caterpillar Inc.	FCPXL08.8NZS
Caterpillar Inc.	FCPXL106.NZS
Caterpillar Inc.	FCPXL106.NZS
Caterpillar Inc.	FCPXL12.5NYS
Caterpillar Inc.	FCPXL12.5NYS
Caterpillar Inc.	FCPXL15.2NYS
Caterpillar Inc.	FCPXL15.2NZS
Caterpillar Inc.	FCPXL18.1NYS
Caterpillar Inc.	FCPXL18.1NYS
Caterpillar Inc.	FCPXL27.0NZS
Caterpillar Inc.	FCPXL32.0NZS
Caterpillar Inc.	FCPXL78.1NZS
Cummins Inc.	FCEXL015.AAJ
Cummins Inc.	FCEXL023.AAB
Cummins Inc.	FCEXL023.AAB
Cummins Inc.	FCEXL023.AAB
Cummins Inc.	FCEXL023.AAB
Cummins Inc.	FCEXL0275AAK
Cummins Inc.	FCEXL030.AAD
Cummins Inc.	FCEXL0409AAB
Cummins Inc.	FCEXL0409AAC
Cummins Inc.	FCEXL0409AAD
Cummins Inc.	FCEXL050.AAD
Cummins Inc.	FCEXL0540AAB
Cummins Inc.	FCEXL0540AAB
Cummins Inc.	FCEXL060.AAD
Cummins Inc.	FCEXL0661AAH
Cummins Inc.	FCEXL13.0AAA
Cummins Inc.	FCEXL95.0AAA
Detroit Diesel Corporation	FDDXL14.0WLD

Manufacturer	Engine Families
FPT Industrial S.p.A.	FFPXL06.7DGB
FPT Industrial S.p.A.	FFPXL06.7DGS
Komatsu Ltd.	FKLXL23.2FD5
Komatsu Ltd.	FKLXL23.2FD5
Komatsu Ltd.	FKLXL23.2FD5
Komatsu Ltd.	FKLXL23.2FD5
KUKJE MACHINERY CO., LTD	FKMCL3.41D43
Mercedes Benz	FMBXL07.2RJC
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	FMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	FMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	FMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	FMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	FMVXL65.4BBA
Perkins Engines Co Ltd	FPKXL04.4NJ1
Perkins Engines Co Ltd	FPKXL04.4NP1
Perkins Engines Co Ltd	FPKXL06.6PJ1
Perkins Engines Co Ltd	FPKXL06.6PJ1
Perkins Engines Co Ltd	FPKXL07.0PW1
Rolls-Royce Solutions America Inc	FMDDL14.0ZWK
Rolls-Royce Solutions America Inc	FMDDL14.0ZWK
Rolls-Royce Solutions America Inc	FMDDL21.0ZWR
Rolls-Royce Solutions America Inc	FMDDL21.0ZWR
Rolls-Royce Solutions America Inc	FMDDL31.8XRR
Rolls-Royce Solutions America Inc	FMDDL35.8GRR
Rolls-Royce Solutions America Inc	FMDDL40.1GNR
Rolls-Royce Solutions America Inc	FMDDL40.1GNR
Rolls-Royce Solutions America Inc	FMDDL40.1GNR
Rolls-Royce Solutions America Inc	FMDDL95.4XTR

Model Year 2016 Engines

Manufacturer	Engine Families
AB Volvo Penta	GVPXL16.1ACB
AB Volvo Penta	GVPXL16.1ACW
Caterpillar Inc.	GCPXL08.8NZS
Caterpillar Inc.	GCPXL08.8NZS
Caterpillar Inc.	GCPXL106.NZS
Caterpillar Inc.	GCPXL106.NZS
Caterpillar Inc.	GCPXL12.5NYS
Caterpillar Inc.	GCPXL12.5NYS
Caterpillar Inc.	GCPXL15.2NYS
Caterpillar Inc.	GCPXL15.2NZS
Caterpillar Inc.	GCPXL18.1NYS
Caterpillar Inc.	GCPXL18.1NYS

Manufacturer	Engine Families
Caterpillar Inc.	GCPXL27.0NZS
Caterpillar Inc.	GCPXL32.0NZS
Caterpillar Inc.	GCPXL78.1NZS
Caterpillar Inc.	GCPXL78.1NZS
Cummins Inc.	GCEXL015.AAJ
Cummins Inc.	GCEXL023.AAB
Cummins Inc.	GCEXL023.AAB
Cummins Inc.	GCEXL023.AAB
Cummins Inc.	GCEXL023.AAB
Cummins Inc.	GCEXL0275AAK
Cummins Inc.	GCEXL030.AAD
Cummins Inc.	GCEXL0409AAB
Cummins Inc.	GCEXL0409AAC
Cummins Inc.	GCEXL0409AAD
Cummins Inc.	GCEXL050.AAD
Cummins Inc.	GCEXL0540AAB
Cummins Inc.	GCEXL0540AAB
Cummins Inc.	GCEXL060.AAD
Cummins Inc.	GCEXL0661AAH
Cummins Inc.	GCEXL13.0AAA
Cummins Inc.	GCEXL95.0AAA
Detroit Diesel Corporation	GDDXL14.0WLD
FPT Industrial S.p.A.	GFPXL06.7DGB
FPT Industrial S.p.A.	GFPXL06.7DGS
Kubota Corporation	GKBXL03.6BAC
KUKJE MACHINERY CO., LTD	GKMCL3.41D43
Liebherr Machines Bulle SA	GLHAL45.0ESP
Mercedes Benz	GMBXL07.2RJC
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	GMVXL03.3CBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	GMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	GMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	GMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	GMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	GMVXL65.4BBA
Perkins Engines Co Ltd	GPKXL04.4NH1
Perkins Engines Co Ltd	GPKXL04.4NJ1
Perkins Engines Co Ltd	GPKXL04.4NP1
Perkins Engines Co Ltd	GPKXL04.4NP1
Perkins Engines Co Ltd	GPKXL04.4NR1
Perkins Engines Co Ltd	GPKXL07.0PW1
Rolls-Royce Solutions America Inc	GMDDL14.0ZWK
Rolls-Royce Solutions America Inc	GMDDL14.0ZWK
Rolls-Royce Solutions America Inc	GMDDL21.0ZWR

Manufacturer	Engine Families
Rolls-Royce Solutions America Inc	GMDDL21.0ZWR
Rolls-Royce Solutions America Inc	GMDDL31.8XRR
Rolls-Royce Solutions America Inc	GMDDL35.8GRR
Rolls-Royce Solutions America Inc	GMDDL40.1GNR
Rolls-Royce Solutions America Inc	GMDDL40.1GNR
Rolls-Royce Solutions America Inc	GMDDL40.1GNR
Rolls-Royce Solutions America Inc	GMDDL95.4GTR

Model Year 2017 Engines

Manufacturer	Engine Families
AB Volvo Penta	HVPXL16.1ACB
AB Volvo Penta	HVPXL16.1ACW
Caterpillar Inc.	HCPXL08.8NZS
Caterpillar Inc.	HCPXL08.8NZS
Caterpillar Inc.	HCPXL106.NZS
Caterpillar Inc.	HCPXL106.NZS
Caterpillar Inc.	HCPXL12.5NYS
Caterpillar Inc.	HCPXL12.5NYS
Caterpillar Inc.	HCPXL15.2NYS
Caterpillar Inc.	HCPXL15.2NZS
Caterpillar Inc.	HCPXL18.1NYS
Caterpillar Inc.	HCPXL18.1NYS
Caterpillar Inc.	HCPXL27.0NZS
Caterpillar Inc.	HCPXL32.0NZS
Caterpillar Inc.	HCPXL78.1NZS
Caterpillar Inc.	HCPXL78.1NZS
Cummins Inc.	HCEXL015.AAJ
Cummins Inc.	HCEXL023.AAB
Cummins Inc.	HCEXL023.AAB
Cummins Inc.	HCEXL023.AAB
Cummins Inc.	HCEXL023.AAB
Cummins Inc.	HCEXL0275AAK
Cummins Inc.	HCEXL030.AAD
Cummins Inc.	HCEXL0409AAB
Cummins Inc.	HCEXL0409AAC
Cummins Inc.	HCEXL0409AAD
Cummins Inc.	HCEXL050.AAD
Cummins Inc.	HCEXL0540AAB
Cummins Inc.	HCEXL0540AAB
Cummins Inc.	HCEXL060.AAD
Cummins Inc.	HCEXL0661AAH
Cummins Inc.	HCEXL95.0AAA
Detroit Diesel Corporation	HDDXL14.0WLD
FPT Industrial S.p.A.	HFPXL06.7DGB
FPT Industrial S.p.A.	HFPXL06.7DGS
KUKJE MACHINERY CO., LTD	HKMCL3.41D43
Liebherr Machines Bulle SA	HLHAL103.ESP
Mercedes Benz	HMBXL07.2RJC

Manufacturer	Engine Families
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	HMVXL03.3CBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	HMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	HMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	HMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	HMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	HMVXL65.4BBA
Perkins Engines Co Ltd	HPKXL04.4NP1
Perkins Engines Co Ltd	HPKXL04.4NP1
Perkins Engines Co Ltd	HPKXL04.4NR1
Perkins Engines Co Ltd	HPKXL07.0PW1
Rolls-Royce Solutions America Inc	HMDDL14.0ZWK
Rolls-Royce Solutions America Inc	HMDDL14.0ZWK
Rolls-Royce Solutions America Inc	HMDDL21.0ZWR
Rolls-Royce Solutions America Inc	HMDDL21.0ZWR
Rolls-Royce Solutions America Inc	HMDDL35.8GRR
Rolls-Royce Solutions America Inc	HMDDL40.1GNR
Rolls-Royce Solutions America Inc	HMDDL40.1GNR
Rolls-Royce Solutions America Inc	HMDDL40.1GNR
Rolls-Royce Solutions America Inc	HMDDL95.4GTR

Model Year 2018 Engines

Manufacturer	Engine Families
AB Volvo Penta	JVPXL16.1ACB
AB Volvo Penta	JVPXL16.1ACB
AB Volvo Penta	JVPXL16.1ACW
Caterpillar Inc.	JCPXL08.8NZS
Caterpillar Inc.	JCPXL08.8NZS
Caterpillar Inc.	JCPXL106.NZS
Caterpillar Inc.	JCPXL106.NZS
Caterpillar Inc.	JCPXL12.5NYS
Caterpillar Inc.	JCPXL12.5NYS
Caterpillar Inc.	JCPXL15.2NYS
Caterpillar Inc.	JCPXL15.2NZS
Caterpillar Inc.	JCPXL18.1NYS
Caterpillar Inc.	JCPXL18.1NYS
Caterpillar Inc.	JCPXL18.1NYS
Caterpillar Inc.	JCPXL27.0NZS
Caterpillar Inc.	JCPXL32.0NZS
Caterpillar Inc.	JCPXL78.1NZS
Caterpillar Inc.	JCPXL78.1NZS
Cummins Inc.	JCEXL015.AAJ
Cummins Inc.	JCEXL023.AAB

Manufacturer	Engine Families
Cummins Inc.	JCEXL023.AAB
Cummins Inc.	JCEXL023.AAB
Cummins Inc.	JCEXL023.AAB
Cummins Inc.	JCEXL0275AAK
Cummins Inc.	JCEXL030.AAD
Cummins Inc.	JCEXL0409AAB
Cummins Inc.	JCEXL0409AAC
Cummins Inc.	JCEXL0409AAD
Cummins Inc.	JCEXL050.AAD
Cummins Inc.	JCEXL0540AAB
Cummins Inc.	JCEXL0540AAB
Cummins Inc.	JCEXL060.AAD
Cummins Inc.	JCEXL060.AAD
Cummins Inc.	JCEXL0661AAH
Cummins Inc.	JCEXL95.0AAA
FPT Industrial S.p.A.	JFPXL06.7DGB
FPT Industrial S.p.A.	JFPXL06.7DGS
KUKJE MACHINERY CO., LTD	JKMCL3.41D43
Liebherr Machines Bulle SA	JLHAL103.ESP
Mercedes Benz	JMBXL07.2RJC
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	JMVXL03.3CBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	JMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	JMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	JMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	JMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	JMVXL65.4BBA
Perkins Engines Co Ltd	JPKXL04.4NP1
Perkins Engines Co Ltd	JPKXL04.4NP1
Perkins Engines Co Ltd	JPKXL04.4NR1
Perkins Engines Co Ltd	JPKXL07.0PW1
Rolls-Royce Solutions America Inc	JMDDL14.0ZWK
Rolls-Royce Solutions America Inc	JMDDL14.0ZWK
Rolls-Royce Solutions America Inc	JMDDL21.0ZWR
Rolls-Royce Solutions America Inc	JMDDL21.0ZWR
Rolls-Royce Solutions America Inc	JMDDL21.0ZWR
Rolls-Royce Solutions America Inc	JMDDL35.8GRR
Rolls-Royce Solutions America Inc	JMDDL40.1GNR
Rolls-Royce Solutions America Inc	JMDDL40.1GNR
Rolls-Royce Solutions America Inc	JMDDL40.1GNR
Rolls-Royce Solutions America Inc	JMDDL95.4GTR

Model Year 2019 Engines

Manufacturer	Engine Families
AB Volvo Penta	KVPXL16.1ACB
AB Volvo Penta	KVPXL16.1ACC
AB Volvo Penta	KVPXL16.1ACW
AB Volvo Penta	KVPXL16.1ACW
Caterpillar Inc.	KCPXL08.8NZS
Caterpillar Inc.	KCPXL08.8NZS
Caterpillar Inc.	KCPXL106.NZS
Caterpillar Inc.	KCPXL106.NZS
Caterpillar Inc.	KCPXL12.5NYS
Caterpillar Inc.	KCPXL12.5NYS
Caterpillar Inc.	KCPXL15.2NYS
Caterpillar Inc.	KCPXL15.2NZS
Caterpillar Inc.	KCPXL18.1NYS
Caterpillar Inc.	KCPXL18.1NYS
Caterpillar Inc.	KCPXL18.1NYS
Caterpillar Inc.	KCPXL27.0NZS
Caterpillar Inc.	KCPXL32.0NZS
Caterpillar Inc.	KCPXL78.1NZS
Caterpillar Inc.	KCPXL78.1NZS
Cummins Inc.	KCEXL015.AAJ
Cummins Inc.	KCEXL023.AAB
Cummins Inc.	KCEXL023.AAB
Cummins Inc.	KCEXL023.AAB
Cummins Inc.	KCEXL023.AAB
Cummins Inc.	KCEXL0275AAK
Cummins Inc.	KCEXL030.AAD
Cummins Inc.	KCEXL0409AAB
Cummins Inc.	KCEXL0409AAC
Cummins Inc.	KCEXL0409AAD
Cummins Inc.	KCEXL050.AAD
Cummins Inc.	KCEXL0540AAB
Cummins Inc.	KCEXL0540AAB
Cummins Inc.	KCEXL060.AAD
Cummins Inc.	KCEXL060.AAD
Cummins Inc.	KCEXL0661AAH
Cummins Inc.	KCEXL95.0AAA
FPT Industrial S.p.A.	KFPXL06.7DGB
KUKJE MACHINERY CO., LTD	KKMCL3.41D43
Liebherr Machines Bulle SA	KLHAL103.ESP
Liebherr Machines Bulle SA	KLHAL103.ESP
Mercedes Benz	KMBXL07.2RJC
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	KMVXL03.3CBB
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	KMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	KMVXL33.9BBA

Manufacturer	Engine Families
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	KMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	KMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	KMVXL65.4BBA
Perkins Engines Co Ltd	KPKXL04.4NP1
Perkins Engines Co Ltd	KPKXL04.4NP1
Perkins Engines Co Ltd	KPKXL04.4NR1
Perkins Engines Co Ltd	KPKXL07.0PW1
Rolls-Royce Solutions America Inc	KMDDL14.0ZWK
Rolls-Royce Solutions America Inc	KMDDL14.0ZWK
Rolls-Royce Solutions America Inc	KMDDL21.0ZWR
Rolls-Royce Solutions America Inc	KMDDL21.0ZWR
Rolls-Royce Solutions America Inc	KMDDL21.0ZWR
Rolls-Royce Solutions America Inc	KMDDL35.8GRR
Rolls-Royce Solutions America Inc	KMDDL40.1GNR
Rolls-Royce Solutions America Inc	KMDDL40.1GNR
Rolls-Royce Solutions America Inc	KMDDL40.1GNR
Rolls-Royce Solutions America Inc	KMDDL95.4GTR

Model Year 2020 Engines

Manufacturer	Engine Families
AB Volvo Penta	LVPXL16.1ACC
AB Volvo Penta	LVPXL16.1ACW
AB Volvo Penta	LVPXL16.1ACW
Caterpillar Inc.	LCPXL08.8NZS
Caterpillar Inc.	LCPXL08.8NZS
Caterpillar Inc.	LCPXL08.8NZS
Caterpillar Inc.	LCPXL106.NZS
Caterpillar Inc.	LCPXL106.NZS
Caterpillar Inc.	LCPXL12.5NYS
Caterpillar Inc.	LCPXL12.5NYS
Caterpillar Inc.	LCPXL15.2NYS
Caterpillar Inc.	LCPXL15.2NZS
Caterpillar Inc.	LCPXL18.1NYS
Caterpillar Inc.	LCPXL18.1NYS
Caterpillar Inc.	LCPXL18.1NYS
Caterpillar Inc.	LCPXL27.0NZS
Caterpillar Inc.	LCPXL32.0NZS
Caterpillar Inc.	LCPXL78.1NZS
Caterpillar Inc.	LCPXL78.1NZS
Caterpillar Inc.	LCPXL78.1NZS
Cummins Inc.	LCEXL015.AAJ
Cummins Inc.	LCEXL023.AAB
Cummins Inc.	LCEXL023.AAB
Cummins Inc.	LCEXL023.AAB
Cummins Inc.	LCEXL023.AAB

Manufacturer	Engine Families
Cummins Inc.	LCEXL0275AAK
Cummins Inc.	LCEXL030.AAD
Cummins Inc.	LCEXL0409AAB
Cummins Inc.	LCEXL0409AAC
Cummins Inc.	LCEXL0409AAD
Cummins Inc.	LCEXL050.AAD
Cummins Inc.	LCEXL0540AAB
Cummins Inc.	LCEXL0540AAB
Cummins Inc.	LCEXL060.AAD
Cummins Inc.	LCEXL060.AAD
Cummins Inc.	LCEXL0661AAH
Cummins Inc.	LCEXL13.0AAA
Cummins Inc.	LCEXL95.0AAA
KUKJE MACHINERY CO., LTD	LKMCL3.41D43
Liebherr Machines Bulle SA	LLHAL103.ESP
Liebherr Machines Bulle SA	LLHAL103.ESP
Liebherr Machines Bulle SA	LLHAL103.ESP
Liebherr Machines Bulle SA	LLHAL103.ESP
Liebherr Machines Bulle SA	LLHAL103.ESP
Liebherr Machines Bulle SA	LLHAL103.ESP
Liebherr Machines Bulle SA	LLHAL103.ESP
Liebherr Machines Bulle SA	LLHAL103.ESP
Mercedes Benz	LMBXL07.2RJC
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	LMVXL03.3CBB
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	LMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	LMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	LMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	LMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	LMVXL65.4BBA
Perkins Engines Co Ltd	LPKXL04.4NP1
Perkins Engines Co Ltd	LPKXL04.4NP1
Perkins Engines Co Ltd	LPKXL04.4NR1
Perkins Engines Co Ltd	LPKXL07.0PW1
Rolls-Royce Solutions America Inc	LMDDL14.0ZWK
Rolls-Royce Solutions America Inc	LMDDL14.0ZWK
Rolls-Royce Solutions America Inc	LMDDL21.0ZWR
Rolls-Royce Solutions America Inc	LMDDL21.0ZWR
Rolls-Royce Solutions America Inc	LMDDL21.0ZWR
Rolls-Royce Solutions America Inc	LMDDL35.8GRR
Rolls-Royce Solutions America Inc	LMDDL40.1GNR
Rolls-Royce Solutions America Inc	LMDDL40.1GNR
Rolls-Royce Solutions America Inc	LMDDL40.1GNR
Rolls-Royce Solutions America Inc	LMDDL95.4GTR

Manufacturer	Engine Families
Rolls-Royce Solutions America Inc	LMDDL95.4GTZ
Rolls-Royce Solutions America Inc	LMDDL95.4GTZ
Rolls-Royce Solutions America Inc	LMDDL95.4GTZ
Weichai Power Co.,Ltd.	LWEHL52.3EMS

Model Year 2021 Engines

Manufacturer	Engine Families
AB Volvo Penta	MVPXL16.1ACC
AB Volvo Penta	MVPXL16.1ACW
AB Volvo Penta	MVPXL16.1ACW
AB Volvo Penta	MVPXL16.1ADB
Caterpillar Inc.	MCPXL08.8NZS
Caterpillar Inc.	MCPXL08.8NZS
Caterpillar Inc.	MCPXL08.8NZS
Caterpillar Inc.	MCPXL106.NZS
Caterpillar Inc.	MCPXL106.NZS
Caterpillar Inc.	MCPXL106.NZS
Caterpillar Inc.	MCPXL12.5NYS
Caterpillar Inc.	MCPXL12.5NYS
Caterpillar Inc.	MCPXL15.2NYS
Caterpillar Inc.	MCPXL15.2NZS
Caterpillar Inc.	MCPXL18.1NYS
Caterpillar Inc.	MCPXL18.1NYS
Caterpillar Inc.	MCPXL18.1NYS
Caterpillar Inc.	MCPXL27.0NZS
Caterpillar Inc.	MCPXL32.0NZS
Caterpillar Inc.	MCPXL78.1NZS
Caterpillar Inc.	MCPXL78.1NZS
Caterpillar Inc.	MCPXL78.1NZS
Cummins Inc.	MCEXL015.AAJ
Cummins Inc.	MCEXL023.AAB
Cummins Inc.	MCEXL023.AAB
Cummins Inc.	MCEXL023.AAB
Cummins Inc.	MCEXL023.AAB
Cummins Inc.	MCEXL0275AAK
Cummins Inc.	MCEXL030.AAD
Cummins Inc.	MCEXL0409AAB
Cummins Inc.	MCEXL0409AAC
Cummins Inc.	MCEXL0409AAD
Cummins Inc.	MCEXL050.AAD
Cummins Inc.	MCEXL050.AAD
Cummins Inc.	MCEXL0540AAB
Cummins Inc.	MCEXL0540AAB
Cummins Inc.	MCEXL060.AAD
Cummins Inc.	MCEXL060.AAD
Cummins Inc.	MCEXL0661AAH
Cummins Inc.	MCEXL13.0AAA
Cummins Inc.	MCEXL95.0AAA

Manufacturer	Engine Families
Liebherr Machines Bulle SA	MLHAL103.ESP
Liebherr Machines Bulle SA	MLHAL103.ESP
Liebherr Machines Bulle SA	MLHAL103.ESP
Liebherr Machines Bulle SA	MLHAL103.ESP
Liebherr Machines Bulle SA	MLHAL103.ESP
Liebherr Machines Bulle SA	MLHAL103.ESP
Liebherr Machines Bulle SA	MLHAL103.ESP
Liebherr Machines Bulle SA	MLHAL103.ESP
Mercedes Benz	MMBXL07.2RJC
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	MMVXL03.3CBB
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	MMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	MMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	MMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	MMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	MMVXL65.4BBA
Perkins Engines Co Ltd	MPKXL04.4NP1
Perkins Engines Co Ltd	MPKXL04.4NP1
Perkins Engines Co Ltd	MPKXL04.4NR1
Perkins Engines Co Ltd	MPKXL07.0PW1
Rolls-Royce Solutions America Inc	MMDDL14.0ZWK
Rolls-Royce Solutions America Inc	MMDDL14.0ZWK
Rolls-Royce Solutions America Inc	MMDDL21.0ZWR
Rolls-Royce Solutions America Inc	MMDDL21.0ZWR
Rolls-Royce Solutions America Inc	MMDDL21.0ZWR
Rolls-Royce Solutions America Inc	MMDDL40.1GNR
Rolls-Royce Solutions America Inc	MMDDL40.1GNR
Rolls-Royce Solutions America Inc	MMDDL40.1GNR
Rolls-Royce Solutions America Inc	MMDDL95.4GTZ
Rolls-Royce Solutions America Inc	MMDDL95.4GTZ
Rolls-Royce Solutions America Inc	MMDDL95.4GTZ
Weichai Power Co.,Ltd.	MWEHL52.3EMS

Model Year 2022 Engines

Manufacturer	Engine Families
AB Volvo Penta	NVPXL07.7BDA
AB Volvo Penta	NVPXL16.1ACC
AB Volvo Penta	NVPXL16.1ACW
AB Volvo Penta	NVPXL16.1ACW
AB Volvo Penta	NVPXL16.1ADB
Caterpillar Inc.	NCPXL08.8NZS
Caterpillar Inc.	NCPXL08.8NZS
Caterpillar Inc.	NCPXL08.8NZS

Manufacturer	Engine Families
Caterpillar Inc.	NCPXL106.NZS
Caterpillar Inc.	NCPXL106.NZS
Caterpillar Inc.	NCPXL106.NZS
Caterpillar Inc.	NCPXL12.5NYS
Caterpillar Inc.	NCPXL12.5NYS
Caterpillar Inc.	NCPXL15.2NYS
Caterpillar Inc.	NCPXL15.2NZS
Caterpillar Inc.	NCPXL18.1NYS
Caterpillar Inc.	NCPXL18.1NYS
Caterpillar Inc.	NCPXL18.1NYS
Caterpillar Inc.	NCPXL18.1NYS
Caterpillar Inc.	NCPXL18.1NZS
Caterpillar Inc.	NCPXL27.0NZS
Caterpillar Inc.	NCPXL32.0NZS
Caterpillar Inc.	NCPXL45.8NZS
Caterpillar Inc.	NCPXL78.1NZS
Caterpillar Inc.	NCPXL78.1NZS
Caterpillar Inc.	NCPXL78.1NZS
Cummins Inc.	NCEXL023.AAB
Cummins Inc.	NCEXL023.AAB
Cummins Inc.	NCEXL023.AAB
Cummins Inc.	NCEXL023.AAB
Cummins Inc.	NCEXL0275AAK
Cummins Inc.	NCEXL030.AAD
Cummins Inc.	NCEXL0409AAB
Cummins Inc.	NCEXL0409AAC
Cummins Inc.	NCEXL0409AAD
Cummins Inc.	NCEXL050.AAD
Cummins Inc.	NCEXL050.AAD
Cummins Inc.	NCEXL0540AAB
Cummins Inc.	NCEXL0540AAB
Cummins Inc.	NCEXL060.AAD
Cummins Inc.	NCEXL060.AAD
Cummins Inc.	NCEXL0661AAH
Cummins Inc.	NCEXL13.0AAA
Cummins Inc.	NCEXL95.0AAA
Daimler Truck AG	NDTAL07.2RJC
HD Hyundai Infracore Co., Ltd.	NDICL21.9LBG
Liebherr Machines Bulle SA	NLHAL103.E9P
Liebherr Machines Bulle SA	NLHAL103.E9P
Liebherr Machines Bulle SA	NLHAL103.E9P
Liebherr Machines Bulle SA	NLHAL103.E9P
Liebherr Machines Bulle SA	NLHAL103.E9P
Liebherr Machines Bulle SA	NLHAL103.E9P
Liebherr Machines Bulle SA	NLHAL103.ESP
Liebherr Machines Bulle SA	NLHAL103.ESP
Liebherr Machines Bulle SA	NLHAL103.ESP
Liebherr Machines Bulle SA	NLHAL103.ESP
Liebherr Machines Bulle SA	NLHAL103.ESP

Manufacturer	Engine Families
Liebherr Machines Bulle SA	NLHAL103.ESP
Liebherr Machines Bulle SA	NLHAL103.ESP
Liebherr Machines Bulle SA	NLHAL103.ESP
Liebherr Machines Bulle SA	NLHAL18.0ESP
Mercedes Benz	NMBXL07.2RJC
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	NMVXL03.3CBB
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	NMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	NMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	NMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	NMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	NMVXL65.4BBA
Perkins Engines Co Ltd	NPKXL04.4NP1
Perkins Engines Co Ltd	NPKXL04.4NP1
Perkins Engines Co Ltd	NPKXL04.4NR1
Perkins Engines Co Ltd	NPKXL07.0PW1
Rolls-Royce Solutions America Inc	NMDDL14.0ZWK
Rolls-Royce Solutions America Inc	NMDDL14.0ZWK
Rolls-Royce Solutions America Inc	NMDDL21.0ZWR
Rolls-Royce Solutions America Inc	NMDDL21.0ZWR
Rolls-Royce Solutions America Inc	NMDDL21.0ZWR
Rolls-Royce Solutions America Inc	NMDDL22.4ZWR
Rolls-Royce Solutions America Inc	NMDDL22.4ZWR
Rolls-Royce Solutions America Inc	NMDDL22.4ZWR
Rolls-Royce Solutions America Inc	NMDDL40.1GNR
Rolls-Royce Solutions America Inc	NMDDL40.1GNR
Rolls-Royce Solutions America Inc	NMDDL40.1GNR
Rolls-Royce Solutions America Inc	NMDDL95.4GTZ
Rolls-Royce Solutions America Inc	NMDDL95.4GTZ
Rolls-Royce Solutions America Inc	NMDDL95.4GTZ
Weichai Power Co.,Ltd.	NWEHL52.3EMS

Model Year 2023 Engines

Manufacturer	Engine Families
AB Volvo Penta	PVPXL07.7BDA
AB Volvo Penta	PVPXL12.8BCA
AB Volvo Penta	PVPXL16.1ACC
AB Volvo Penta	PVPXL16.1ACW
AB Volvo Penta	PVPXL16.1ACW
AB Volvo Penta	PVPXL16.1ADB
Caterpillar Inc.	PCPXL08.8NZS
Caterpillar Inc.	PCPXL08.8NZS
Caterpillar Inc.	PCPXL08.8NZS

Manufacturer	Engine Families
Caterpillar Inc.	PCPXL106.NZS
Caterpillar Inc.	PCPXL106.NZS
Caterpillar Inc.	PCPXL106.NZS
Caterpillar Inc.	PCPXL12.5NYS
Caterpillar Inc.	PCPXL12.5NYS
Caterpillar Inc.	PCPXL15.2NYS
Caterpillar Inc.	PCPXL15.2NZS
Caterpillar Inc.	PCPXL18.1NYS
Caterpillar Inc.	PCPXL18.1NYS
Caterpillar Inc.	PCPXL18.1NYS
Caterpillar Inc.	PCPXL18.1NYS
Caterpillar Inc.	PCPXL18.1NZS
Caterpillar Inc.	PCPXL27.0NZS
Caterpillar Inc.	PCPXL32.0NZS
Caterpillar Inc.	PCPXL45.8NZS
Caterpillar Inc.	PCPXL78.1NZS
Caterpillar Inc.	PCPXL78.1NZS
Caterpillar Inc.	PCPXL78.1NZS
Cummins Inc.	PCEXL023.AAB
Cummins Inc.	PCEXL023.AAB
Cummins Inc.	PCEXL023.AAB
Cummins Inc.	PCEXL023.AAB
Cummins Inc.	PCEXL0275AAK
Cummins Inc.	PCEXL0275AAK
Cummins Inc.	PCEXL030.AAD
Cummins Inc.	PCEXL0409AAB
Cummins Inc.	PCEXL0409AAC
Cummins Inc.	PCEXL0409AAD
Cummins Inc.	PCEXL050.AAD
Cummins Inc.	PCEXL050.AAD
Cummins Inc.	PCEXL0540AAB
Cummins Inc.	PCEXL0540AAB
Cummins Inc.	PCEXL060.AAD
Cummins Inc.	PCEXL060.AAD
Cummins Inc.	PCEXL0661AAH
Cummins Inc.	PCEXL13.0AAA
Cummins Inc.	PCEXL95.0AAA
Daimler Truck AG	PDTAL07.2RJC
Deere & Company	PJDXL06.8120
HD Hyundai Infracore Co., Ltd.	PDICL11.0LCG
HD Hyundai Infracore Co., Ltd.	PDICL21.9LBG
Liebherr Machines Bulle SA	PLHAL103.E9P
Liebherr Machines Bulle SA	PLHAL103.E9P
Liebherr Machines Bulle SA	PLHAL103.E9P
Liebherr Machines Bulle SA	PLHAL103.E9P
Liebherr Machines Bulle SA	PLHAL103.E9P
Liebherr Machines Bulle SA	PLHAL103.E9P
Liebherr Machines Bulle SA	PLHAL18.0ESP

Manufacturer	Engine Families
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	PMVXL03.3CBB
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	PMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	PMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	PMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	PMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	PMVXL65.4BBA
Perkins Engines Co Ltd	PPKXL04.4NP1
Perkins Engines Co Ltd	PPKXL04.4NP1
Perkins Engines Co Ltd	PPKXL04.4NR1
Perkins Engines Co Ltd	PPKXL07.0PW1
Rolls-Royce Solutions America Inc	PMDDL14.0ZWK
Rolls-Royce Solutions America Inc	PMDDL14.0ZWK
Rolls-Royce Solutions America Inc	PMDDL21.0ZWR
Rolls-Royce Solutions America Inc	PMDDL21.0ZWR
Rolls-Royce Solutions America Inc	PMDDL21.0ZWR
Rolls-Royce Solutions America Inc	PMDDL22.4ZWR
Rolls-Royce Solutions America Inc	PMDDL22.4ZWR
Rolls-Royce Solutions America Inc	PMDDL22.4ZWR
Rolls-Royce Solutions America Inc	PMDDL40.1GNR
Rolls-Royce Solutions America Inc	PMDDL40.1GNR
Rolls-Royce Solutions America Inc	PMDDL40.1GNR
Rolls-Royce Solutions America Inc	PMDDL95.4GTZ
Rolls-Royce Solutions America Inc	PMDDL95.4GTZ
Rolls-Royce Solutions America Inc	PMDDL95.4GTZ
Societe Internationale des Moteurs-Baudouin	PMRBL109.EMS
Societe Internationale des Moteurs-Baudouin	PMRBL109.EMS
Societe Internationale des Moteurs-Baudouin	PMRBL65.4EMS
Societe Internationale des Moteurs-Baudouin	PMRBL65.4EMS
TYM Corporation	PTYCL3.41D43
Weichai Power Co.,Ltd.	PWEHL52.3EMS

Model Year 2024 Engines

Manufacturer	Engine Families
AB Volvo Penta	RVPXL07.7BDA
AB Volvo Penta	RVPXL12.8BCA
AB Volvo Penta	RVPXL16.1ACC
AB Volvo Penta	RVPXL16.1ACW
AB Volvo Penta	RVPXL16.1ACW
AB Volvo Penta	RVPXL16.1ADB
AB Volvo Penta	RVPXL17.3ADA
Caterpillar Inc.	RCPXL08.8NZS
Caterpillar Inc.	RCPXL08.8NZS

Manufacturer	Engine Families
Caterpillar Inc.	RCPXL08.8NZS
Caterpillar Inc.	RCPXL106.NZS
Caterpillar Inc.	RCPXL106.NZS
Caterpillar Inc.	RCPXL106.NZS
Caterpillar Inc.	RCPXL12.5NYS
Caterpillar Inc.	RCPXL12.5NYS
Caterpillar Inc.	RCPXL15.2NYS
Caterpillar Inc.	RCPXL15.2NZS
Caterpillar Inc.	RCPXL18.1NYS
Caterpillar Inc.	RCPXL18.1NYS
Caterpillar Inc.	RCPXL18.1NYS
Caterpillar Inc.	RCPXL18.1NYS
Caterpillar Inc.	RCPXL18.1NZS
Caterpillar Inc.	RCPXL27.0NZS
Caterpillar Inc.	RCPXL32.1NZS
Caterpillar Inc.	RCPXL45.8NZS
Caterpillar Inc.	RCPXL78.1NZS
Caterpillar Inc.	RCPXL78.1NZS
Caterpillar Inc.	RCPXL78.1NZS
Cummins Inc.	RCEXL023.AAB
Cummins Inc.	RCEXL023.AAB
Cummins Inc.	RCEXL023.AAB
Cummins Inc.	RCEXL023.AAB
Cummins Inc.	RCEXL0275AAK
Cummins Inc.	RCEXL0275AAK
Cummins Inc.	RCEXL030.AAD
Cummins Inc.	RCEXL0409AAB
Cummins Inc.	RCEXL0409AAC
Cummins Inc.	RCEXL0409AAD
Cummins Inc.	RCEXL050.AAD
Cummins Inc.	RCEXL050.AAD
Cummins Inc.	RCEXL0540AAB
Cummins Inc.	RCEXL0540AAB
Cummins Inc.	RCEXL060.AAD
Cummins Inc.	RCEXL060.AAD
Cummins Inc.	RCEXL0661AAH
Cummins Inc.	RCEXL13.0AAA
Cummins Inc.	RCEXL95.0AAA
Daimler Truck AG	RDTAL07.2RJC
HD Hyundai Infracore Co., Ltd.	RDICL11.0LCG
HD Hyundai Infracore Co., Ltd.	RDICL21.9LBG
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	RMVXL03.3CBB
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	RMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	RMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	RMVXL37.1BBA

Manufacturer	Engine Families
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	RMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	RMVXL65.4BBA
Perkins Engines Co Ltd	RPKXL04.4NP1
Perkins Engines Co Ltd	RPKXL04.4NP1
Perkins Engines Co Ltd	RPKXL04.4NR1
Perkins Engines Co Ltd	RPKXL07.0PW1
Rolls-Royce Solutions America Inc	RMDDL14.0ZWK
Rolls-Royce Solutions America Inc	RMDDL14.0ZWK
Rolls-Royce Solutions America Inc	RMDDL21.0ZWR
Rolls-Royce Solutions America Inc	RMDDL21.0ZWR
Rolls-Royce Solutions America Inc	RMDDL21.0ZWR
Rolls-Royce Solutions America Inc	RMDDL22.4ZWR
Rolls-Royce Solutions America Inc	RMDDL22.4ZWR
Rolls-Royce Solutions America Inc	RMDDL22.4ZWR
Rolls-Royce Solutions America Inc	RMDDL40.1GNR
Rolls-Royce Solutions America Inc	RMDDL40.1GNR
Rolls-Royce Solutions America Inc	RMDDL40.1GNR
Rolls-Royce Solutions America Inc	RMDDL95.4GTZ
Rolls-Royce Solutions America Inc	RMDDL95.4GTZ
Rolls-Royce Solutions America Inc	RMDDL95.4GTZ
Societe Internationale des Moteurs-Baudouin	RMRBL109.EMS
Societe Internationale des Moteurs-Baudouin	RMRBL109.EMS
Societe Internationale des Moteurs-Baudouin	RMRBL65.4EMS
Societe Internationale des Moteurs-Baudouin	RMRBL65.4EMS
TYM Corporation	RTYCL3.41D43
Weichai Power Co.,Ltd.	RWEHL52.3EMS

Model Year 2025 Engines

Manufacturer	Engine Families
AB Volvo Penta	SVPXL12.8BCA
AB Volvo Penta	SVPXL16.1ADB
AB Volvo Penta	SVPXL16.1ACC
AB Volvo Penta	SVPXL07.7BDA
AB Volvo Penta	SVPXL16.1ACW
AB Volvo Penta	SVPXL17.3ADA
AB Volvo Penta	SVPXL16.1ACW
Caterpillar Inc.	SCPXL08.8NZS
Caterpillar Inc.	SCPXL32.1NZS
Caterpillar Inc.	SCPXL106.NZS
Caterpillar Inc.	SCPXL18.1NYS
Caterpillar Inc.	SCPXL15.2NZS
Caterpillar Inc.	SCPXL18.1NZS
Caterpillar Inc.	SCPXL78.1NZS
Caterpillar Inc.	SCPXL106.NZS
Caterpillar Inc.	SCPXL12.5NYS
Caterpillar Inc.	SCPXL12.5NYS

Manufacturer	Engine Families
Caterpillar Inc.	SCPXL15.2NYS
Caterpillar Inc.	SCPXL18.1NYS
Caterpillar Inc.	SCPXL08.8NZS
Caterpillar Inc.	SCPXL18.1NYS
Caterpillar Inc.	SCPXL18.1NYS
Caterpillar Inc.	SCPXL78.1NZS
Caterpillar Inc.	SCPXL106.NZS
Caterpillar Inc.	SCPXL08.8NZS
Caterpillar Inc.	SCPXL27.0NZS
Caterpillar Inc.	SCPXL78.1NZS
Caterpillar Inc.	SCPXL61.1NZS
Cummins Inc.	SCEXL060.AAD
Cummins Inc.	SCEXL0409AAB
Cummins Inc.	SCEXL0275AAK
Cummins Inc.	SCEXL030.AAD
Cummins Inc.	SCEXL95.0AAA
Cummins Inc.	SCEXL060.AAD
Cummins Inc.	SCEXL050.AAD
Cummins Inc.	SCEXL050.AAD
Cummins Inc.	SCEXL023.AAB
Cummins Inc.	SCEXL015.AAJ
Cummins Inc.	SCEXL0540AAB
Cummins Inc.	SCEXL0409AAD
Cummins Inc.	SCEXL0540AAB
Cummins Inc.	SCEXL0275AAK
Deere & Company	SJDXL04.5119
Deere & Company	SJDXL06.8120
Deere & Company	SJDXL13.5146
Deere & Company	SJDXL13.5132
Deere & Company	SJDXL09.0114
FPT Industrial S.p.A.	SFPXL06.7DGS
FPT Industrial S.p.A.	SFPXL06.7DGB
HD Hyundai Infracore Co., Ltd.	SDICL11.0LCG
HD Hyundai Infracore Co., Ltd.	SDICL15.1LBA
HD Hyundai Infracore Co., Ltd.	SDICL15.1LBA
HD Hyundai Infracore Co., Ltd.	SDICL15.1LBG
HD Hyundai Infracore Co., Ltd.	SDICL21.9LBG
Kubota Corporation	SKBXL03.6BAC
Liebherr Machines Bulle SA	SLHAL103.ESP
Liebherr Machines Bulle SA	SLHAL45.0ESP
Liebherr Machines Bulle SA	SLHAL18.0ESP
Liebherr Machines Bulle SA	SLHAL103.E9P
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	SMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	SMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	SMVXL03.3CBB

Manufacturer	Engine Families
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	SMVXL65.4BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	SMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	SMVXL37.1BBA
Perkins Engines Co Ltd	SPKXL04.4NP1
Perkins Engines Co Ltd	SPKXL04.4NP1
Perkins Engines Co Ltd	SPKXL04.4NR1
Perkins Engines Co Ltd	SPKXL07.0PW1
Rolls-Royce Solutions America Inc	SMDDL21.0ZWR
Rolls-Royce Solutions America Inc	SMDDL22.4ZWR
Rolls-Royce Solutions America Inc	SMDDL22.4ZWR
Rolls-Royce Solutions America Inc	SMDDL21.0ZWR
Rolls-Royce Solutions America Inc	SMDDL21.0ZWR
Rolls-Royce Solutions America Inc	SMDDL22.4ZWR
Rolls-Royce Solutions America Inc	SMDDL95.4GTZ
Rolls-Royce Solutions America Inc	SMDDL95.4GTZ
Rolls-Royce Solutions America Inc	SMDDL40.1GNR
Rolls-Royce Solutions America Inc	SMDDL40.1GNR
Rolls-Royce Solutions America Inc	SMDDL95.4GTZ
Rolls-Royce Solutions America Inc	SMDDL40.1GNR
Societe Internationale des Moteurs-Baudouin	SMRBL65.4EMS
Societe Internationale des Moteurs-Baudouin	SMRBL65.4EMS
Weichai Power Co.,Ltd.	SWEHL52.3EMS