

July 10, 2025

Attachment 1: Verified MIRATECH® LTR™ DOC/DPF

Off-Road Certified Engine Family List ($0 \leq 0.22$ g/bhp-hr PM) for Stationary Emergency Standby Generators.

Model Year 1996 Engines

Manufacturer	Engine Families
Caterpillar	TCP14.RZDBRK
Caterpillar	TCP10.RZDBRD
Deutz AG	TDZ16.RGDARA
Deutz AG	TDZ16.RGDARB
Deutz AG	TDZ7.1R6DARA
Deutz AG	TDZ7.1R6DARB
Generac	TGN13.R6DARA
Komatsu	TKL11.RZDARB
Navistar	TNV466R6DARA
Navistar	TNV466R6DARB
Navistar	TNV466R6DASC
Navistar	TNV466R6DASD
Navistar	TNV530R6DARA
Navistar	TNV530R6DARB
Navistar	TNV530R6DASD
Navistar	TNV530R8DASE

Model Year 1997 Engines

Manufacturer	Engine Families
Caterpillar	VCP10.RZDARD
Caterpillar	VCP14.RZDARK
Deere	VJD10.RJDBRB
Deere	VJD6.8R6DBRA
Deere	VJD8.1R6DBRA
Deere	VJD8.1R6DBRB
Deutz AG	VDZ16.RGDARA
Deutz AG	VDZ16.RGDARB
Deutz AG	VDZ7.1R6DARA
Deutz AG	VDZ7.1R6DARB

Manufacturer	Engine Families
Generac	VGN13.R6DARA
Navistar	VNV466R6DASC
Navistar	VNV466R6DASD
Navistar	VNV530R6DARB
Navistar	VNV530R6DASC
Navistar	VNV530R6DASD

Model Year 1998 Engines

Manufacturer	Engine Families
AB Volvo Penta	WVPXL09.6ACB
AB Volvo Penta	WVPXL12.0ACB
Case	WX9XL0239ACA
Case	WX9XL0359ABA
Case	WX9XL0505ABA
Case	WX9XL0505ABB
Case	WX9XL0505ACA
Caterpillar	WCPXL07.0MRB
Caterpillar	WCPXL10.5MRD
Caterpillar	WCPXL10.5MRG
Caterpillar	WCPXL14.6ERK
Caterpillar	WCPXL14.6MRJ
Cummins	WCEXL019.AAA
Cummins	WCEXL0359ABA
Cummins	WCEXL0359ABB
Cummins	WCEXL0505ABA
Cummins	WCEXL0505ABB
Cummins	WCEXL0505ACA
Cummins	WCEXL0661AAA
Cummins	WCEXL0855AAA
Cummins	WCEXL0855AAB
Daewoo	WDWXL11.1BHT
Daewoo	WDWXL11.1BIA
Detroit Diesel Corporation	WDDXL08.5TJD
Detroit Diesel Corporation	WDDXL09.0TFE

Manufacturer	Engine Families
Detroit Diesel Corporation	WDDXL11.1THD
Detroit Diesel Corporation	WDDXL12.1TFE
Detroit Diesel Corporation	WDDXL12.1TFM
Detroit Diesel Corporation	WDDXL12.7TGD
Detroit Diesel Corporation	WDDXL15.9TRE
Detroit Diesel Corporation	WDDXL23.9TRE
Deere	WJDXL06.8012
Deere	WJDXL08.1007
Deere	WJDXL08.1008
Deere	WJDXL08.1009
Deere	WJDXL10.5003
Deutz AG	WDZXL07.1003
Deutz AG	WDZXL07.1004
Deutz AG	WDZXL15.9001
Deutz AG	WDZXL15.9002
GMC	WGNXL13.3HTA
ISUZU	WSZXL06.4DTA
Komatsu	WKDXL0239AAA
Komatsu	WKDXL0359ABA
Komatsu	WKLXL11.0DB1
Komatsu	WKLXL11.0DC1
Komatsu	WKLXL15.2EB1
Komatsu	WKLXL23.2FC1
Komatsu	WKLXL7.15CB1
Komatsu	WKLXL7.15CC1
MTU	WMUXL12.0G2V
Navistar	WNVXL0530BNB
Navistar	WNVXL0530BND

Model Year 1999 Engines

Manufacturer	Engine Families
AB Volvo Penta	XVPXL07.3ABB
AB Volvo Penta	XVPXL07.3ACB
AB Volvo Penta	XVPXL09.6ACB

Manufacturer	Engine Families
AB Volvo Penta	XVPXL12.0ACB
Case	XX9XL0239ACA
Case	XX9XL0359ABA
Case	XX9XL0505ABA
Case	XX9XL0505ABB
Case	XX9XL0505ACA
Caterpillar	XCPXL07.0MRB
Caterpillar	XCPXL10.5MRD
Caterpillar	XCPXL10.5MRG
Caterpillar	XCPXL14.6ERK
Cummins	XCEXL019.AAA
Cummins	XCEXL0359ABA
Cummins	XCEXL0505ABA
Cummins	XCEXL0505ABB
Cummins	XCEXL0505ACA
Cummins	XCEXL0661AAA
Cummins	XCEXL0855AAA
Cummins	XCEXL0855AAB
Daewoo	XDWXL03.3AMN
Daewoo	XDWXL03.3LMN
Daewoo	XDWXL05.8AOA
Daewoo	XDWXL05.8ARN
Daewoo	XDWXL05.8ATT
Daewoo	XDWXL08.1ACN
Daewoo	XDWXL08.1ADT
Daewoo	XDWXL11.1BIA
Daewoo	XDWXL11.1BHT
Daewoo	XDWXL11.1DJA
Daewoo	XDWXL14.6AZA
Daewoo	XDWXL14.6CVT
Daewoo	XDWXL18.3ASA
Detroit Diesel Corporation	XDDXL08.5TJD
Detroit Diesel Corporation	XDDXL09.1TFE

Manufacturer	Engine Families
Detroit Diesel Corporation	XDDXL11.1THD
Detroit Diesel Corporation	XDDXL12.1TFE
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	XJDXL06.8012
Deere	XJDXL08.1007
Deere	XJDXL08.1008
Deere	XJDXL10.5022
Deutz AG	XDZXL02.7014
Deutz AG	XDZXL07.1005
Deutz AG	XDZXL07.1004
Deutz AG	XDZXL15.9002
Deutz AG	XDZXL15.9003
Generac	XGNXL13.3HTA
Komatsu	XKLXL03.3JA1
Komatsu	XKLXL11.0DB1
Komatsu	XKLXL11.0DC1
Komatsu	XKLXL15.2EC1
Komatsu	XKLXL23.2FC1
Komatsu	XKLXL7.15CB1
Komatsu	XKLXL7.15CC1
Komatsu	XKDXL0239ACA
Komatsu	XKDXL0359ABA
Komatsu	XKDXL0505ABB
Komatsu	XKDXL0505ACA
KUBOTA	XKBXL03.3BAC
KUBOTA	XKBXL03.3BCC
Mitsubishi	XMTXL07.5D6C
Mitsubishi	XMTXL11.9D6A
Navistar	XNVXL0466BNA

Manufacturer	Engine Families
Navistar	XNVXL0530ANA
Navistar	XNVXL0530ANB
Navistar	XNVXL0530ANC
Navistar	XNVXL0530AND
Navistar	XNVXL0530BNA
Navistar	XNVXL0530BNB
Navistar	XNVXL0530BNC
Navistar	XNVXL0530BND
Yanmar	XYDXL2.00D4T
Yanmar	XYDXL2.78D4N
Yanmar	XYDXL4.41D4N
Yanmar	XYDXL4.41D4T

Model Year 2000 Engines

Manufacturer	Engine Families
AB Volvo Penta	YVPXL07.3ABB
AB Volvo Penta	YVPXL07.3ACB
AB Volvo Penta	YVPXL09.6ACB
AB Volvo Penta	YVPXL12.0ACB
Case	YX9XL0239ACA
Case	YX9XL0239ADA
Case	YX9XL0359ABA
Case	YX9XL0359ABB
Case	YX9XL0505ABA
Case	YX9XL0505ABB
Case	YX9XL0505ACA
Caterpillar	YCPXL07.0MRB
Caterpillar	YCPXL10.5MRD
Caterpillar	YCPXL10.5MRG
Caterpillar	YCPXL14.6ERK
Caterpillar	YCPXL27.0MRH
Caterpillar	YCPXL27.0MRS
Caterpillar	YCPXL34.5ERK
Caterpillar	YCPXL69.0ERK

Manufacturer	Engine Families
Cummins	YCEXL03.3AAA
Cummins	YCEXL03.3AAB
Cummins	YCEXL015.ABA
Cummins	YCEXL019.AAA
Cummins	YCEXL019.AAB
Cummins	YCEXL030.ABA
Cummins	YCEXL0239ACA
Cummins	YCEXL0239ADA
Cummins	YCEXL0359AAA
Cummins	YCEXL0359ABA
Cummins	YCEXL0359ABC
Cummins	YCEXL050.AAA
Cummins	YCEXL0505ABA
Cummins	YCEXL0505ABB
Cummins	YCEXL0505ACA
Cummins	YCEXL060.ABA
Cummins	YCEXL0661AAA
Cummins	YCEXL0855AAA
Cummins	YCEXL0855AAB
Deere	YJDXL06.8012
Deere	YJDXL08.1007
Deere	YJDXL08.1008
Deere	YJDXL10.5022
Detroit Diesel Corporation	YDDXL08.5TJD
Detroit Diesel Corporation	YDDXL11.1THD
Detroit Diesel Corporation	YDDXL12.1TFE
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

Manufacturer	Engine Families
Deutz AG	YDZXL02.7014
Deutz AG	YDZXL07.1004
Deutz AG	YDZXL07.1005
Deutz AG	YDZXL15.9002
Deutz AG	YDZXL15.9003
Deutz AG	YDZXL17.5001
Genrac	YGNXL13.3HAA
Genrac	YGNXL13.3HTA
Genrac	YGNXL16.0MAA
Komatsu	YKLXL0505ACA
Komatsu	YKLXL11.0DB1
Komatsu	YKLXL11.0DC1
Komatsu	YKLXL15.2EC1
Komatsu	YKLXL23.2FC1
Komatsu	YKLXL23.2FC2
Komatsu	YKLXL30.5GC1
Komatsu	YKLXL7.15CB1
Komatsu	YKLXL7.15CC1
Navistar	YNVXL0466ANA
Navistar	YNVXL0530ANA
Navistar	YNVXL0530ANB
Navistar	YNVXL0530ANC
Navistar	YNVXL0530AND
VM Motori	YV5XI02.1R3V
VM Motori	YV5XL02.8R2T

Model Year 2001 Engines

Manufacturer	Engine Families
AB Volvo Penta	1VPXL07.3ABB
AB Volvo Penta	1VPXL07.3ACB
AB Volvo Penta	1VPXL09.6ACB
AB Volvo Penta	1VPXL12.1ACB
Case	1X9XL0239ACA
Case	1X9XL0239ADA

Manufacturer	Engine Families
Case	1X9XL0359ABA
Case	1X9XL0359ABB
Case	1X9XL0505ABA
Case	1X9XL0505ABB
Case	1X9XL0505ACA
Caterpillar	1CPXL07.0MRB
Caterpillar	1CPXL10.5MRD
Caterpillar	1CPXL10.5MRG
Caterpillar	1CPXL12.0ESK
Caterpillar	1CPXL14.6ESK
Caterpillar	1CPXL15.8ESK
Caterpillar	1CPXL18.0HRN
Caterpillar	1CPXL27.0HRK
Caterpillar	1CPXL27.0MRS
Caterpillar	1CPXL27.0MRT
Caterpillar	1CPXL34.5ERK
Caterpillar	1CPXL78.1ERK
Cummins	1CEXL03.3AAA
Cummins	1CEXL03.3AAB
Cummins	1CEXL015.AAA
Cummins	1CEXL015.ABA
Cummins	1CEXL019.AAB
Cummins	1CEXL0239ACA
Cummins	1CEXL0239ADA
Cummins	1CEXL030.ABA
Cummins	1CEXL0359ABA
Cummins	1CEXL0359ABB
Cummins	1CEXL0359ABC
Cummins	1CEXL0359ABD
Cummins	1CEXL050.ABA
Cummins	1CEXL0505ABA
Cummins	1CEXL0505ABB
Cummins	1CEXL0505ACA

Manufacturer	Engine Families
Cummins	1CEXL0505ACE
Cummins	1CEXL0661AAA
Cummins	1CEXL0661AAD
Cummins	1CEXL060.ABA
Daewoo	1DWXL2.37ANT
Daewoo	1DWXL03.3AMN
Daewoo	1DWXL03.3BMA
Daewoo	1DWXL03.3LMN
Daewoo	1DWXL05.8AOA
Daewoo	1DWXL05.8ARN
Daewoo	1DWXL08.1ACN
Daewoo	1DWXL11.1BIA
Daewoo	1DWXL14.6AZA
Daewoo	1DWXL14.6CVT
Daewoo	1DWXL18.3ASA
Daewoo	1DWXL21.9AYA
Detroit Diesel Corporation	1DDXL08.5TJD
Detroit Diesel Corporation	1DDXL08.5YJD
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	1DDXL31.8XRE
Detroit Diesel Corporation	1DDXL65.0XTE
Deere	1JDXL06.8012
Deere	1JDXL06.8038
Deere	1JDXL06.8039
Deere	1JDXL08.1007
Deere	1JDXL08.1008
Deere	1JDXL08.1036
Deere	1JDXL08.1037
Deutz	1DZXL02.7014

Manufacturer	Engine Families
Deutz	1DZXL02.7015
Deutz	1DZXL07.1005
Deutz	1DZXL15.9002
Deutz	1DZXL15.9003
Generac	1GNXL04.0HAA
Generac	1GNXL04.0HNA
Generac	1GNXL05.0FAA
Isuzu	1SZXL06.5BTA
Isuzu	1SZXL09.8EXA
Isuzu	1SZXL15.7ETA
Isuzu	1SZXL15.7EXA
International	1NVXL0530ANC
International	1NVXL0530AND
International	1NVXL0530ANF
Komatsu	1KLXL0239ACA
Komatsu	1KLXL0239ADA
Komatsu	1KLXL0359ABA
Komatsu	1KLXL0359ABC
Komatsu	1KLXL0505ABB
Komatsu	1KLXL0505ACA
Komatsu	1KLXL03.3JA1
Komatsu	1KLXL03.3JB1
Komatsu	1KLXL7.15CB1
Komatsu	1KLXL7.15CC1
Komatsu	1KLXL11.0DD3
Komatsu	1KLXL15.2EC3
Komatsu	1KLXL30.5GC1
Komatsu	1KLXL30.5GD1
Mitsubishi	1MTXL07.5D6A
Mitsubishi	1MTXL07.5D6C
Mitsubishi	1MTXL11.9D6A

Model Year 2002 Engines

Manufacturer	Engine Families
Case	2X9XL0239ACA
Case	2X9XL0239ADA
Case	2X9XL0359ABA
Case	2X9XL0359ABB
Case	2X9XL0359ABE
Case	2X9XL0505ABA
Case	2X9XL0505ABB
Case	2X9XL0505ABD
Case	2X9XL0505ACA
Caterpillar	2CPXL07.0MRB
Caterpillar	2CPXL10.5MRD
Caterpillar	2CPXL10.5MRG
Caterpillar	2CPXL27.0MRS
Caterpillar	2CPXL27.0MRT
Caterpillar	2CPXL34.5ERK
Caterpillar	2CPXL78.1ERK
Cummins	2CEXL03.3AAA
Cummins	2CEXL03.3AAB
Cummins	2CEXL015.AAA
Cummins	2CEXL015.AAB
Cummins	2CEXL015.ABA
Cummins	2CEXL019.AAB
Cummins	2CEXL0239ACA
Cummins	2CEXL0239ADA
Cummins	2CEXL0359ABA
Cummins	2CEXL0359ABB
Cummins	2CEXL0359ABC
Cummins	2CEXL0359ABE
Cummins	2CEXL0505ABA
Cummins	2CEXL0505ABB
Cummins	2CEXL0505ABD
Cummins	2CEXL0505ACA

Manufacturer	Engine Families
Cummins	2CEXL0505ACB
Cummins	2CEXL0505ACE
Cummins	2CEXL060.ABA
Cummins	2CEXL0661AAA
Cummins	2CEXL0661AAD
Detroit Diesel	2DDXL08.5TJD
Detroit Diesel	2DDXL08.5YJD
Detroit Diesel	2DDXL12.7VGD
Detroit Diesel	2DDXL14.0VLD
Detroit Diesel	2DDXL31.8XRE
Detroit Diesel	2DDXL65.0XTE
Deere	2JDXL06.8012
Deere	2JDXL06.8014
Deere	2JDXL06.8038
Deere	2JDXL06.8039
Deere	2JDXL06.8041
Deere	2JDXL06.8044
Deere	2JDXL06.8049
Deere	2JDXL08.1007
Deere	2JDXL08.1008
Deere	2JDXL08.1036
Deere	2JDXL08.1037
Deutz AG	2DZXL02.7014
Deutz AG	2DZXL02.7015
Deutz AG	2DZXL05.7033
Deutz AG	2DZXL07.1004
Deutz AG	2DZXL07.1005
Deutz AG	2DZXL07.1032
Deutz AG	2DZXL15.9002
Deutz AG	2DZXL15.9003
Daewoo	2DWXL2.37ANT
Daewoo	2DWXL03.3AMN
Daewoo	2DWXL03.3BMA

Manufacturer	Engine Families
Daewoo	2DWXL03.3LMN
Daewoo	2DWXL05.8AOA
Daewoo	2DWXL05.8ARN
Daewoo	2DWXL11.1BIA
Daewoo	2DWXL14.6CVT
Daewoo	2DWXL21.9AYA
Generac	2GNXL04.0HAA
Generac	2GNXL04.0HNA
Generac	2GNXL05.0FAA
Isuzu	2SZXL06.5BTA
Isuzu	2SZXL09.8EXA
Isuzu	2SZXL15.7ETA
Isuzu	2SZXL15.7EXA
International Truck	2NVXL0444ANA
International Truck	2NVXL0530ANC
International Truck	2NVXL0530AND
International Truck	2NVXL0530ANF
Komatsu	2KLXL0239ACA
Komatsu	2KLXL0239ADA
Komatsu	2KLXL0359ABA
Komatsu	2KLXL0359ABC
Komatsu	2KLXL0505ABB
Komatsu	2KLXL0505ABD
Komatsu	2KLXL0505ACA
Komatsu	2KLXL03.3JA1
Komatsu	2KLXL03.3JB1
Komatsu	2KLXL11.0DB1
Komatsu	2KLXL11.0DD3
Komatsu	2KLXL15.2EC3
Komatsu	2KLXL30.5GC1
Komatsu	2KLXL30.5GD1
Komatsu	2KLXL46.3HC1
Komatsu	2KLXL7.15CB1

Manufacturer	Engine Families
Komatsu	2KLXL7.15CC1
Mitsubishi	2MTXL07.5D6A
Mitsubishi	2MTXL07.5D6C
Mitsubishi	2MTXL11.9D6A
Mitsubishi	2MVXL24.5AAB
Mitsubishi	2MVXL65.4ABA
Mitsubishi	2MVXL65.4ABB
Mitsubishi	2MVXL65.4ABC
AB Volvo Penta	2VPXL07.3ABB
AB Volvo Penta	2VPXL07.3ACB
AB Volvo Penta	2VPXL09.6ACB
AB Volvo Penta	2VPXL12.1ABA
AB Volvo Penta	2VPXL12.1ACA
AB Volvo Penta	2VPXL12.1ACB
VM Motori	2V5XL02.8R2T

Model Year 2003 Engines

Manufacturer	Engine Families
Caterpillar	3CPXL15.8ESK
Caterpillar	3CPXL18.0HRX
Caterpillar	3CPXL27.0MRS
Caterpillar	3CPXL27.0MRT
Caterpillar	3CPXL34.5ERK
Caterpillar	3CPXL58.6ERK
Caterpillar	3CPXL78.1ERK
CNH Engine Corp	3X9XL0239AAA
CNH Engine Corp	3X9XL0239ABA
CNH Engine Corp	3X9XL0359AAC
CNH Engine Corp	3X9XL0359ABE
CNH Engine Corp	3X9XL0505AAB
CNH Engine Corp	3X9XL0505ABD
Cummins	3CEXL015.AAB
Cummins	3CEXL015.ABA
Cummins	3CEXL023.AAA

Manufacturer	Engine Families
Cummins	3CEXL0239AAD
Cummins	3CEXL0239AAF
Cummins	3CEXL0275AAA
Cummins	3CEXL0275AAB
Cummins	3CEXL030.ABA
Cummins	3CEXL0359AAB
Cummins	3CEXL0359AAC
Cummins	3CEXL0359ABC
Cummins	3CEXL0359ABE
Cummins	3CEXL050.ABA
Cummins	3CEXL0505ABD
Cummins	3CEXL0505ACB
Cummins	3CEXL060.ABA
Cummins	3CEXL0661AAD
Cummins	3CEXL078.AAB
Daewoo Motors	3DWXL05.8COA
Daewoo Motors	3DWXL11.1DJA
Daewoo Motors	3DWXL21.9AYA
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
Deere	3JDXL06.8014
Deere	3JDXL06.8038
Deere	3JDXL06.8039
Deere	3JDXL06.8041
Deere	3JDXL06.8044
Deere	3JDXL06.8048
Deere	3JDXL06.8049

Manufacturer	Engine Families
Deere	3JDXL08.1037
Deutz AG	3DZXL05.7033
Deutz AG	3DZXL06.1028
Deutz AG	3DZXL07.1032
Deutz AG	3DZXL15.9002
Daewoo Heavy Ind.	3DWXL08.1CPA
Daewoo Heavy Ind.	3DWXL18.3ASC
Daewoo Heavy Ind.	3DWXL2.37ANT
Isuzu	3SZXL09.8EXA
Isuzu	3SZXL15.7ETA
Isuzu	3SZXL15.7EXA
International Truck	3NVXL0530ANF
Komatsu	3KLXL0239AAD
Komatsu	3KLXL0239AAF
Komatsu	3KLXL0359AAB
Komatsu	3KLXL0359ABC
Komatsu	3KLXL0505ABD
Komatsu	3KLXL11.0DD3
Komatsu	3KLXL15.2EC3
Komatsu	3KLXL23.2FD4
Komatsu	3KLXL30.5GC1
Komatsu	3KLXL30.5GD1
Lombardini Motori	3LBDL2.07CHT
Mack Trucks	3MKXL11.9P69
Mitsubishi Heavy Ind	3MVXL24.5AAB
Mitsubishi Heavy Ind	3MVXL24.5ABA
Mitsubishi Heavy Ind	3MVXL24.5ABB
Mitsubishi Heavy Ind	3MVXL24.5ABD
Mitsubishi Heavy Ind	3MVXL24.5ABE
Mitsubishi Heavy Ind	3MVXL33.9ABA
Mitsubishi Heavy Ind	3MVXL33.9ABB
Mitsubishi Heavy Ind	3MVXL33.9ABD
Mitsubishi Heavy Ind	3MVXL33.9ABE

Manufacturer	Engine Families
Mitsubishi Heavy Ind	3MVXL37.1ABA
Mitsubishi Heavy Ind	3MVXL37.1ABB
Mitsubishi Heavy Ind	3MVXL37.1ABC
Mitsubishi Heavy Ind	3MVXL37.1ABD
Mitsubishi Heavy Ind	3MVXL49.0ABA
Mitsubishi Heavy Ind	3MVXL49.0ABB
Mitsubishi Heavy Ind	3MVXL49.0ABC
Mitsubishi Heavy Ind	3MVXL65.4ABA
Mitsubishi Heavy Ind	3MVXL65.4ABB
Mitsubishi Heavy Ind	3MVXL65.4ABC
Mitsubishi Heavy Ind	3MVXL65.4ABD
Mitsubishi Heavy Ind	3MVXL65.4ABE
Mitsubishi Heavy Ind	3MVXL65.4ABF
Mitsubishi Heavy Ind	3MVXL65.4ABG
AB Volvo Penta	3VPXL07.3ACB
AB Volvo Penta	3VPXL09.6ACB
AB Volvo Penta	3VPXL12.1ABA
AB Volvo Penta	3VPXL12.1ACA
AB Volvo Penta	3VPXL12.1ACB
AB Volvo Penta	3VPXL16.0ACB

Model Year 2004 Engines

Manufacturer	Engine Families
Caterpillar	4CPXL15.8ERK
Caterpillar	4CPXL15.8ESK
Caterpillar	4CPXL18.0ESK
Caterpillar	4CPXL18.0HRX
Caterpillar	4CPXL27.0MRS
Caterpillar	4CPXL27.0MRT
Caterpillar	4CPXL34.5ERK
Caterpillar	4CPXL58.6ERK
Caterpillar	4CPXL78.1ERK
CNH Engine Corp.	4X9XL0239AAC
CNH Engine Corp.	4X9XL0359AAK

Manufacturer	Engine Families
CNH Engine Corp.	4X9XL0359ABE
CNH Engine Corp.	4X9XL0505AAB
CNH Engine Corp.	4X9XL0505ABD
Cummins	4CEXL015.AAB
Cummins	4CEXL015.ABA
Cummins	4CEXL023.AAA
Cummins	4CEXL0239AAD
Cummins	4CEXL0239AAF
Cummins	4CEXL0239AAG
Cummins	4CEXL0275AAB
Cummins	4CEXL0275AAC
Cummins	4CEXL0275AAF
Cummins	4CEXL03.3ABA
Cummins	4CEXL03.3ABB
Cummins	4CEXL030.ABA
Cummins	4CEXL0359AAB
Cummins	4CEXL0359AAC
Cummins	4CEXL0359AAD
Cummins	4CEXL0359AAE
Cummins	4CEXL0359AAF
Cummins	4CEXL0359AAH
Cummins	4CEXL0359ABC
Cummins	4CEXL0359ABE
Cummins	4CEXL050.ABA
Cummins	4CEXL0505ABD
Cummins	4CEXL0505ACB
Cummins	4CEXL060.ABA
Cummins	4CEXL0661AAD
Cummins	4CEXL078.AAB
Cummins	4CEXL2.28A41
Cummins	4CEXL2.28A42
Detroit Diesel	4DDXL08.5YJD
Detroit Diesel	4DDXL12.7VGD

Manufacturer	Engine Families
Detroit Diesel	4DDXL14.0VLD
Detroit Diesel	4DDXL23.9WRE
Detroit Diesel	4DDXL31.8XRE
Detroit Diesel	4DDXL35.8GRP
Detroit Diesel	4DDXL65.0GTP
Detroit Diesel	4DDXL65.0XTE
Detroit Diesel	4DDXL90.0XTP
Deere	4JDXL03.0064
Deere	4JDXL06.8038
Deere	4JDXL06.8041
Deere	4JDXL06.8048
Deere	4JDXL06.8049
Deere	4JDXL08.1037
Deutz AG	4DZXL03.1039
Deutz AG	4DZXL03.1040
Deutz AG	4DZXL03.1041
Deutz AG	4DZXL05.7033
Deutz AG	4DZXL06.1038
Deutz AG	4DZXL06.5036
Deutz AG	4DZXL06.5037
Deutz AG	4DZXL06.5042
Deutz AG	4DZXL06.5043
Deutz AG	4DZXL07.1032
Deutz AG	4DZXL15.9002
Deutz AG	4DZXL71.0021
Daewoo	4DWXL05.8COA
Daewoo	4DWXL05.8CRN
Daewoo	4DWXL08.1CPA
Daewoo	4DWXL11.1BIA
Daewoo	4DWXL11.1DJA
Daewoo	4DWXL18.3ASC
Daewoo	4DWXL2.37ANT
Daewoo	4DWXL21.9AYA

Manufacturer	Engine Families
Isuzu	4SZXL03.1GTB
Isuzu	4SZXL06.5FXG
Isuzu	4SZXL15.7ETA
Isuzu	4SZXL15.7EXA
International Truck	4NVXL0530ANF
Iveco	4VEXL05.9DGS
Iveco	4VEXL12.9GEN
Kubota	4KBXL03.3ACD
Kubota	4KBXL03.3BAC
Kubota	4KBXL03.3BCC
Kubota	4KBXL03.8ACD
Komatsu	4KLXL0239AAD
Komatsu	4KLXL0239AAF
Komatsu	4KLXL0239ADA
Komatsu	4KLXL0275AAC
Komatsu	4KLXL03.3JA3
Komatsu	4KLXL03.3JB3
Komatsu	4KLXL03.3JD3
Komatsu	4KLXL0359AAB
Komatsu	4KLXL0359AAE
Komatsu	4KLXL0359ABC
Komatsu	4KLXL0505ABD
Komatsu	4KLXL11.0DD3
Komatsu	4KLXL15.2EC3
Komatsu	4KLXL23.2FD4
Komatsu	4KLXL30.5GC1
Komatsu	4KLXL30.5GD1
MACK Trucks	4MKXL11.9P69
MACK Trucks	4MKXL11.9P72
MOTORENFABRIK HATZ	4HZXL3.43C42
MOTORENFABRIK HATZ	4HZXL3.43V42
Mitsubishi Heavy Ind.	4MVXL05.0AAA
Mitsubishi Heavy Ind.	4MVXL05.0AAD

Manufacturer	Engine Families
Mitsubishi Heavy Ind.	4MVXL24.5AAB
Mitsubishi Heavy Ind.	4MVXL24.5ABA
Mitsubishi Heavy Ind.	4MVXL24.5ABB
Mitsubishi Heavy Ind.	4MVXL24.5ABD
Mitsubishi Heavy Ind.	4MVXL24.5ABE
Mitsubishi Heavy Ind.	4MVXL33.9ABB
Mitsubishi Heavy Ind.	4MVXL33.9ABE
Mitsubishi Heavy Ind.	4MVXL37.1ABB
Mitsubishi Heavy Ind.	4MVXL37.1ABC
Mitsubishi Heavy Ind.	4MVXL37.1ABD
Mitsubishi Heavy Ind.	4MVXL49.0ABA
Mitsubishi Heavy Ind.	4MVXL49.0ABB
Mitsubishi Heavy Ind.	4MVXL49.0ABC
Mitsubishi Heavy Ind.	4MVXL49.0ABD
Mitsubishi Heavy Ind.	4MVXL49.0ABE
Mitsubishi Heavy Ind.	4MVXL65.4ABA
Mitsubishi Heavy Ind.	4MVXL65.4ABB
Mitsubishi Heavy Ind.	4MVXL65.4ABC
Mitsubishi Heavy Ind.	4MVXL65.4ABD
Mitsubishi Heavy Ind.	4MVXL65.4ABE
Mitsubishi Heavy Ind.	4MVXL65.4ABF
Mitsubishi Heavy Ind.	4MVXL65.4ABG
Mitsubishi Heavy Ind.	4MVXL65.4ABH
MTU	4MTUL21.9R2A
Nissan Diesel	4NDXL03.0FTA
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	4VPXL12.1ABA
AB Volvo Penta	4VPXL12.1ACA
AB Volvo Penta	4VPXL12.1ACB

Manufacturer	Engine Families
Yanmar	4YDXL3.05M4N
Yanmar	4YDXL3.32J4N
Yanmar	4YDXL3.32J4T
Yanmar	4YDXL3.32K4N
Yanmar	4YDXL3.32K4T
Yanmar	4YDXL4.41K4T
Perkins	4PKXL15.8H16
Scania AB	4Y9XL11.7BBG
Scania AB	4Y9XL15.6BDA

Model Year 2005 Engines

Manufacturer	Engine Families
Caterpillar	5CPXL15.2ESK
Caterpillar	5CPXL15.8ERK
Caterpillar	5CPXL18.0ESK
Caterpillar	5CPXL27.0MRS
Caterpillar	5CPXL27.0MRT
Caterpillar	5CPXL34.5ERK
Caterpillar	5CPXL58.6ERK
Caterpillar	5CPXL78.1ERK
CNH Engine Corp.	5X9XL0239AAC
CNH Engine Corp.	5X9XL0359AAK
CNH Engine Corp.	5X9XL0359ABE
CNH Engine Corp.	5X9XL0505AAB
CNH Engine Corp.	5X9XL0505ABD
CNH Engine Corp.	5X9XL0540AAB
Cummins	5CEXL015.AAB
Cummins	5CEXL015.ABA
Cummins	5CEXL019.AAB
Cummins	5CEXL023.AAA
Cummins	5CEXL0239AAD
Cummins	5CEXL0239AAF
Cummins	5CEXL0239AAG
Cummins	5CEXL0275AAB

Manufacturer	Engine Families
Cummins	5CEXL0275AAC
Cummins	5CEXL0275AAF
Cummins	5CEXL03.3ABA
Cummins	5CEXL03.3ABB
Cummins	5CEXL030.ABA
Cummins	5CEXL0359AAB
Cummins	5CEXL0359AAC
Cummins	5CEXL0359AAD
Cummins	5CEXL0359AAE
Cummins	5CEXL0359AAF
Cummins	5CEXL0359AAH
Cummins	5CEXL0359ABC
Cummins	5CEXL0359ABE
Cummins	5CEXL0409AAB
Cummins	5CEXL0409AAC
Cummins	5CEXL050.ABA
Cummins	5CEXL0505AAE
Cummins	5CEXL0505ABD
Cummins	5CEXL0505ACB
Cummins	5CEXL0540AAB
Cummins	5CEXL060.ABA
Cummins	5CEXL078.AAB
Cummins	5CEXL2.28A41
Cummins	5CEXL2.28A42
Detroit Diesel Corporation	5DDXL08.5YJD
Detroit Diesel Corporation	5DDXL15.9WRE
Detroit Diesel Corporation	5DDXL31.8XRR
Detroit Diesel Corporation	5DDXL35.8GRP
Detroit Diesel Corporation	5DDXL65.0GTE
Detroit Diesel Corporation	5DDXL65.0GTP
Detroit Diesel Corporation	5DDXL65.0XTE
Detroit Diesel Corporation	5DDXL90.0XTP
Deere	5JDXL04.5083

Manufacturer	Engine Families
Deere	5JDXL06.8038
Deere	5JDXL06.8041
Deere	5JDXL06.8048
Deere	5JDXL06.8049
Deere	5JDXL06.8078
Deere	5JDXL06.8101
Deere	5JDXL08.1037
Deere	5JDXL08.1059
Deere	5JDXL09.0102
Deutz	5DZXL03.1039
Deutz	5DZXL03.1040
Deutz	5DZXL05.7033
Deutz	5DZXL06.1038
Deutz	5DZXL06.5036
Deutz	5DZXL06.5037
Deutz	5DZXL06.5042
Deutz	5DZXL06.5043
Deutz	5DZXL07.1032
Deutz	5DZXL15.9002
Deutz	5DZXL71.0021
Daewoo Heavy Ind.	5DWXL08.1CPA
Daewoo Heavy Ind.	5DWXL18.3ASC
Daewoo Heavy Ind.	5DWXL21.9AYA
MotorenFabrik HATZ GMBH	5HZXL3.43C42
Isuzu	5SZXL03.1GTB
Isuzu	5SZXL04.3GTG
Isuzu	5SZXL06.5FXG
Isuzu	5SZXL09.8EXA
Isuzu	5SZXL15.7ETA
Isuzu	5SZXL15.7EXA
Iveco	5VEXL05.9DGS
Iveco	5VEXL06.7DGA
Iveco	5VEXL12.9GEN

Manufacturer	Engine Families
Komatsu	5KLXL0239AAD
Komatsu	5KLXL0239AAF
Komatsu	5KLXL0239ADA
Komatsu	5KLXL0275AAC
Komatsu	5KLXL03.3JA3
Komatsu	5KLXL03.3JB3
Komatsu	5KLXL03.3JD3
Komatsu	5KLXL0359AAB
Komatsu	5KLXL0359AAE
Komatsu	5KLXL0359AAL
Komatsu	5KLXL0359ABC
Komatsu	5KLXL0409AAB
Komatsu	5KLXL0409AAC
Komatsu	5KLXL0505ABD
Komatsu	5KLXL23.2FD4
Komatsu	5KLXL30.5GC1
Komatsu	5KLXL30.5GD1
Kubota	5KBXL03.3BAC
Kubota	5KBXL03.3BCC
KUKJ	5KMCL2.28A41
KUKJ	5KMCL2.28A42
Lombardini Motori	5LBDL2.19CHT
Mitsubishi Heavy Industries	5MVXL05.0AAA
Mitsubishi Heavy Industries	5MVXL05.0AAC
Mitsubishi Heavy Industries	5MVXL05.0AAD
Mitsubishi Heavy Industries	5MVXL24.5ABB
Mitsubishi Heavy Industries	5MVXL33.9ABB
Mitsubishi Heavy Industries	5MVXL37.1ABC
Mitsubishi Heavy Industries	5MVXL49.0ABD
Mitsubishi Heavy Industries	5MVXL65.4ABB
Mitsubishi Heavy Industries	5MVXL65.4ABH
MITF	5MFTL07.5D6A
MTU-Friedrichshafen	5MTUL21.9R2A

Manufacturer	Engine Families
Nissan Diesel	5NDXL02.7TNA
Nissan Diesel	5NDXL03.0FTA
AB Volvo Penta	5VPXL07.3ACB
AB Volvo Penta	5VPXL09.4ACA
AB Volvo Penta	5VPXL09.4ACB
AB Volvo Penta	5VPXL09.4ACC
AB Volvo Penta	5VPXL09.6ACB
AB Volvo Penta	5VPXL12.1ABA
AB Volvo Penta	5VPXL12.1ACA
AB Volvo Penta	5VPXL12.1ACB
AB Volvo Penta	5VPXL16.1ACB
AB Volvo Penta	5VPXL16.1ACC
AB Volvo Penta	5VPXL16.1ACD
AB Volvo Penta	5VPXL16.1ACE
AB Volvo Penta	5VPXL16.1ACF
Yanmar	5YDXL3.05M4N
Yanmar	5YDXL3.32J4N
Yanmar	5YDXL3.32J4T
Yanmar	5YDXL3.32K4N
Yanmar	5YDXL3.32K4T
Yanmar	5YDXL4.41K4T

Model Year 2006 Engines

Manufacturer	Engine Families
AB Volvo Penta	6VPXL12.1BAA
AB Volvo Penta	6VPXL16.1ACB
AB Volvo Penta	6VPXL09.4BAA
Caterpillar	6CPXL15.2ESK
Caterpillar	6CPXL18.1ESK
Caterpillar	6CPXL18.1ESL
Caterpillar	6CPXL32.0ESK
Caterpillar	6CPXL34.5E2W
Caterpillar	6CPXL34.5T2E
Caterpillar	6CPXL58.6T2E

Manufacturer	Engine Families
Caterpillar	6CPXL78.1T2E
CNH Engine Corp.	6X9XL0239AAC
CNH Engine Corp.	6X9XL0359AAM
CNH Engine Corp.	6X9XL0359ABE
CNH Engine Corp.	6X9XL0505ABD
CNH Engine Corp.	6X9XL0540AAB
Cummins	6CEXL0505AAE
Cummins	6CEXL015.AAB
Cummins	6CEXL019.AAB
Cummins	6CEXL019.AAC
Cummins	6CEXL023.AAA
Cummins	6CEXL0239AAD
Cummins	6CEXL0239AAF
Cummins	6CEXL0239AAG
Cummins	6CEXL0275AAB
Cummins	6CEXL0275AAC
Cummins	6CEXL0275AAG
Cummins	6CEXL0275AAH
Cummins	6CEXL030.AAB
Cummins	6CEXL030.AAD
Cummins	6CEXL030.ABA
Cummins	6CEXL03.3ABC
Cummins	6CEXL0359AAB
Cummins	6CEXL0359AAC
Cummins	6CEXL0359AAD
Cummins	6CEXL0359AAF
Cummins	6CEXL0359AAN
Cummins	6CEXL0359ABC
Cummins	6CEXL0359ABE
Cummins	6CEXL0409AAB
Cummins	6CEXL0409AAC
Cummins	6CEXL050.AAD
Cummins	6CEXL050.ABA

Manufacturer	Engine Families
Cummins	6CEXL0505ABD
Cummins	6CEXL0540AAB
Cummins	6CEXL060.AAD
Cummins	6CEXL078.AAB
DAIMLERCHRYSLER	6MBXL7.20RJA
Deere	6JDXL03.0064
Deere	6JDXL04.5083
Deere	6JDXL06.8038
Deere	6JDXL06.8041
Deere	6JDXL06.8048
Deere	6JDXL06.8049
Deere	6JDXL06.8078
Deere	6JDXL08.1037
Deere	6JDXL12.5035
Deere	6JDXL12.5073
Detroit Diesel Corporation	6DDXL31.8XRR
Deutz	6DZXL06.1038
Deutz	6DZXL06.1028
Deutz	6DZXL05.7033
Deutz	6DZXL06.5037
Deutz	6DZXL06.5042
Deutz	6DZXL03.1066
Deutz	6DZXL03.1039
Deutz	6DZXL03.1040
Isuzu	6SZXL04.3GTG
Isuzu	6SZXL06.5FXG
Isuzu	6SZXL05.2HXA
Isuzu	6SZXL05.2IXA
Isuzu	6SZXL07.8HXA
Isuzu	6SZXL15.7HXA
IVECO	6VEXL04.5DGT
IVECO	6VEXL04.5DGN
IVECO	6VEXL06.7DGA

Manufacturer	Engine Families
IVECO	6VEXL06.7DGB
IVECO	6VEXL06.7DGS
Komatsu	6KLXL0239AAD
Komatsu	6KLXL0239AAF
Komatsu	6KLXL0239ADA
Komatsu	6KLXL0275AAC
Komatsu	6KLXL0275AAG
Komatsu	6KLXL0275AAH
Komatsu	6KLXL03.3JD3
Komatsu	6KLXL0359AAB
Komatsu	6KLXL0359AAE
Komatsu	6KLXL0359AAL
Komatsu	6KLXL0359ABC
Komatsu	6KLXL0409AAB
Komatsu	6KLXL0409AAC
Komatsu	6KLXL0505ABD
Kubota	6KBXL03.3CCD
Mitsubishi Fuso Truck & Bus Corp	6MFTL05.8D3A
Mitsubishi Heavy Industries	6MVXL05.0AAA
Mitsubishi Heavy Industries	6MVXL05.0AAD
Mitsubishi Heavy Industries	6MVXL05.0DDD
Mitsubishi Heavy Industries	6MVXL06.4DDD
Mitsubishi Heavy Industries	6MVXL06.4EEE
MotorenFabrik HATZ GMBH	6HZXL3.43C42
MotorenFabrik HATZ GMBH	6HZXL3.43V42
Nissan	6NDXL03.0FTA
VMMI	6V5XL04.2G5V
Yanmar	6YDXL3.32J4T
Yanmar	6YDXL3.32K4T
Yanmar	6YDXL4.41K4T

Model Year 2007 Engines

Manufacturer	Engine Families
AB Volvo Penta	7VPXL09.4BAA

Manufacturer	Engine Families
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	7CPXL32.0ESK
Caterpillar	7CPXL51.8E2W
Caterpillar	7CPXL34.5T2E
Caterpillar	7CPXL58.6T2E
Caterpillar	7CPXL78.1T2E
CNH Engine Corp.	7X9XL0505AAE
CNH Engine Corp.	7X9XL0540AAB
CNH Engine Corp.	7X9XL0239AAB
CNH Engine Corp.	7NHXL04.5DAA
CNH Engine Corp.	7NHXL04.5DCA
CNH Engine Corp.	7NHXL06.7DAA
CNH Engine Corp.	7NHXL06.7DCA
CNH Engine Corp.	7NHXL06.7DCB
CNH Engine Corp.	7NHXL06.7DTA
CNH Engine Corp.	7NHXL06.7DTC
Cummins	7CEXL015.AAA
Cummins	7CEXL015.AAB
Cummins	7CEXL015.AAE
Cummins	7CEXL019.AAD
Cummins	7CEXL023.AAA
Cummins	7CEXL0239AAG
Cummins	7CEXL0275AAC

Manufacturer	Engine Families
Cummins	7CEXL0275AAG
Cummins	7CEXL0275AAH
Cummins	7CEXL03.3ABA
Cummins	7CEXL03.3ABB
Cummins	7CEXL03.3ACA
Cummins	7CEXL03.3ACB
Cummins	7CEXL030.AAB
Cummins	7CEXL030.AAD
Cummins	7CEXL030.ABA
Cummins	7CEXL038.AAA
Cummins	7CEXL0409AAB
Cummins	7CEXL0409AAC
Cummins	7CEXL045.AAA
Cummins	7CEXL050.AAC
Cummins	7CEXL050.AAD
Cummins	7CEXL050.ABA
Cummins	7CEXL0505AAE
Cummins	7CEXL0540AAB
Cummins	7CEXL060.AAB
Cummins	7CEXL060.AAD
Cummins	7CEXL0661AAF
Cummins	7CEXL0661AAG
Cummins	7CEXL0661AAH
Cummins	7CEXL0661AAJ
Cummins	7CEXL078.AAA
Cummins	7CEXL078.AAB
DAIMLERCHRYSLER	7MBXL12.8RJB
DAIMLERCHRYSLER	7MBXL15.9RJA
Deere	7JDXL03.0064
Deere	7JDXL04.5075
Deere	7JDXL04.5076
Deere	7JDXL04.5081
Deere	7JDXL04.5083

Manufacturer	Engine Families
Deere	7JDXL06.8038
Deere	7JDXL06.8039
Deere	7JDXL06.8041
Deere	7JDXL06.8044
Deere	7JDXL06.8048
Deere	7JDXL06.8049
Deere	7JDXL06.8078
Deere	7JDXL06.8080
Deere	7JDXL06.8084
Deere	7JDXL06.8101
Deere	7JDXL06.8104
Deere	7JDXL06.8105
Deere	7JDXL06.8106
Deere	7JDXL08.1037
Deere	7JDXL09.0102
Deere	7JDXL12.5035
Deere	7JDXL12.5073
Deere	7JDXL13.5103
Detroit Diesel Corporation	7DDXL14.0WLD
Deutz	7DZXL03.1039
Deutz	7DZXL03.1040
Deutz	7DZXL03.1066
Deutz	7DZXL06.1038
Deutz	7DZXL06.1059
Deutz	7DZXL06.1060
Deutz	7DZXL06.1061
Deutz	7DZXL06.1063
Deutz	7DZXL06.5042
Deutz	7DZXL06.5043
Deutz	7DZXL07.1051
Deutz	7DZXL07.1053
Deutz	7DZXL07.1055
Deutz	7DZXL15.9065

Manufacturer	Engine Families
Doosan Infracore	7DWXL05.8CRN
Doosan Infracore	7DWXL05.8UTA
Doosan Infracore	7DWXL07.6UPA
Doosan Infracore	7DWXL11.0UJA
Doosan Infracore	7DWXL21.9UYA
GNH UK LTD	7NHXL06.7DCC
Hino Motors	7HMXL05.1JTA
Hino Motors	7HMXL07.7JTM
Hino Motors	7HMXL10.5PUN
Ishikawajima-Shibaura Machinery	7H3XL2.22N4L
Isuzu	7SZXL03.0IXA
Isuzu	7SZXL03.1GNA
Isuzu	7SZXL03.1GNB
Isuzu	7SZXL03.1GTB
Isuzu	7SZXL04.3GTG
Isuzu	7SZXL04.3GXA
Isuzu	7SZXL05.2HXA
Isuzu	7SZXL05.2IXA
Isuzu	7SZXL07.8HXA
Isuzu	7SZXL07.8HXB
Isuzu	7SZXL09.8HXA
Isuzu	7SZXL15.7HXA
IVECO	7VEXL03.9B1Z
IVECO	7VEXL04.5DAA
IVECO	7VEXL04.5DGN
IVECO	7VEXL04.5DGT
IVECO	7VEXL06.7DAA
IVECO	7VEXL06.7DCA
IVECO	7VEXL06.7DCB
IVECO	7VEXL06.7DCC
IVECO	7VEXL06.7DGB
IVECO	7VEXL06.7DGS
IVECO	7VEXL06.7DTA

Manufacturer	Engine Families
IVECO	7VEXL06.7DTC
IVECO	7VEXL08.7TR3
IVECO	7VEXL10.3MLR
IVECO	7VEXL12.9IGR
IVECO	7VEXL12.9MLR
IVECO	7VEXL12.9TR3
IVECO	7VEXL20.1DSL
Komatsu	7KLXL0239ADA
Komatsu	7KLXL0275AAC
Komatsu	7KLXL0275AAG
Komatsu	7KLXL0275AAH
Komatsu	7KLXL03.3JA3
Komatsu	7KLXL03.3JB3
Komatsu	7KLXL03.3JD3
Komatsu	7KLXL03.3JD6
Komatsu	7KLXL03.3JD7
Komatsu	7KLXL0359AAE
Komatsu	7KLXL038.AAA
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	7KLXL23.2FD6
Komatsu	7KLXL30.5GD3
Kubota	7KBXL02.0FAD
Kubota	7KBXL02.4HCD
Kubota	7KBXL03.3BAC

Manufacturer	Engine Families
Kubota	7KBXL03.3BAD
Kubota	7KBXL03.3BBD
Kubota	7KBXL03.3BCC
Kubota	7KBXL03.3BCD
Kubota	7KBXL03.3CCD
Kubota	7KBXL03.8AHD
Lombardini S.R.L.	7LBDL2.19CHT
MAHINDRA & MAHINDRA LTD.,	7MMLL03.1NEF
MAHINDRA & MAHINDRA LTD.,	7MMLL03.2NEF
MAHINDRA & MAHINDRA LTD.,	7MMLL03.2NET
MAHINDRA & MAHINDRA LTD.,	7MMLL03.4NEF
MAHINDRA & MAHINDRA LTD.,	7MMLL03.5NEF
Mitsubishi Fuso Truck & Bus Corp	7MFTL02.8M4A
Mitsubishi Fuso Truck & Bus Corp	7MFTL04.9M5A
Mitsubishi Fuso Truck & Bus Corp	7MFTL07.5M6A
Mitsubishi Fuso Truck & Bus Corp	7MFTL12.9M7A
Mitsubishi Heavy Industries	7MVXL05.0AAA
Mitsubishi Heavy Industries	7MVXL05.0AAC
Mitsubishi Heavy Industries	7MVXL05.0AAD
Mitsubishi Heavy Industries	7MVXL06.4FFF
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
MotorenFabrik HATZ GMBH	7HZXL2.57C41
MotorenFabrik HATZ GMBH	7HZXL3.43C42
MotorenFabrik HATZ GMBH	7HZXL3.43V42
MTU Detroit Diesel, Inc.	7MDDL31.8XRR
MTU Detroit Diesel, Inc.	7MDDL95.4XTR
Nissan	7NDXL02.7TNA
Nissan	7NDXL03.0FTA
Nissan	7NDXL03.2TNA

Manufacturer	Engine Families
Perkins Engines	7PKXL03.3DD1
Perkins Engines	7PKXL04.4NH1
Perkins Engines	7PKXL04.4RE1
Perkins Engines	7PKXL06.6PJ1
Perkins Engines	7PKXL06.6PJ2
Perkins Engines	7PKXL15.2TA2
Perkins Engines	7PKXL15.2TAG
Perkins Engines	7PKXL18.1TAG
SCANIA CV AB	7Y9XL11.7BBA
SCANIA CV AB	7Y9XL11.7BBB
SCANIA CV AB	7Y9XL15.6BDE
Shandong Weichai Huafeng Power	7SDWL4.33BBB
Shandong Weichai Huafeng Power	7SDWL7.52AAA
Sisu Diesel	7SIDL03.3G4A
Sisu Diesel	7SIDL04.4J2A
Sisu Diesel	7SIDL07.4G4D
Sisu Diesel	7SIDL07.4G4E
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	7YDXL3.05M4N
Yanmar	7YDXL3.05P4N
Yanmar	7YDXL3.32J4N
Yanmar	7YDXL3.32J4T
Yanmar	7YDXL3.32K4T
Yanmar	7YDXL3.32P4N
Yanmar	7YDXL4.41K4T

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Manufacturer	Engine Families
AB Volvo Penta	8VPXL09.4BAA

Manufacturer	Engine Families
AB Volvo Penta	8VPXL12.1BAA
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
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	8X9XL0540AAB
CNH UK LTD	8NHXL04.5DAA
CNH UK LTD	8NHXL04.5DAB
CNH UK LTD	8NHXL04.5DCA
CNH UK LTD	8NHXL04.5DCB
CNH UK LTD	8NHXL06.7DAA
CNH UK LTD	8NHXL06.7DCA
CNH UK LTD	8NHXL06.7DCB

Manufacturer	Engine Families
CNH UK LTD	8NHXL06.7DCC
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	8CEXL0275AAH
Cummins	8CEXL0275AAK
Cummins	8CEXL03.3ACA
Cummins	8CEXL03.3ACB
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.AAA
Cummins	8CEXL050.AAC
Cummins	8CEXL050.AAD
Cummins	8CEXL050.ABA
Cummins	8CEXL0505AAE
Cummins	8CEXL0540AAB
Cummins	8CEXL060.AAB
Cummins	8CEXL060.AAD
Cummins	8CEXL0661AAF

Manufacturer	Engine Families
Cummins	8CEXL0661AAG
Cummins	8CEXL0661AAH
Cummins	8CEXL0661AAJ
Cummins	8CEXL078.AAA
Cummins	8CEXL078.AAB
Cummins	8CEXL2.28A41
DAIMLERCHRYSLER	8MBXL07.2RJA
DAIMLERCHRYSLER	8MBXL12.8RJB
DAIMLERCHRYSLER	8MBXL15.9RJA
Deutz	8DZXL02.3099
Deutz	8DZXL02.7096
Deutz	8DZXL03.2088
Deutz	8DZXL03.6081
Deutz	8DZXL03.6082
Deutz	8DZXL03.6084
Deutz	8DZXL03.6086
Deutz	8DZXL03.6097
Deutz	8DZXL03.6098
Deutz	8DZXL04.1069
Deutz	8DZXL04.1070
Deutz	8DZXL04.1076
Deutz	8DZXL04.1078
Deutz	8DZXL04.1079
Deutz	8DZXL04.1080
Deutz	8DZXL04.8064
Deutz	8DZXL04.8068
Deutz	8DZXL04.8071
Deutz	8DZXL05.4087
Deutz	8DZXL06.1057
Deutz	8DZXL06.1059
Deutz	8DZXL06.1060
Deutz	8DZXL06.1061
Deutz	8DZXL06.1063

Manufacturer	Engine Families
Deutz	8DZXL06.1067
Deutz	8DZXL06.1077
Deutz	8DZXL06.5074
Deutz	8DZXL06.5075
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
Ishikawajima	8H3XL2.22N4L
Ishikawajima	8H3XL2.22N4T
Isuzu	8SZXL02.2UTA
Isuzu	8SZXL02.2UXA
Isuzu	8SZXL03.0IXA
Isuzu	8SZXL03.0JTA
Isuzu	8SZXL03.0JXA
Isuzu	8SZXL03.0JXB
Isuzu	8SZXL03.0UTB
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

Manufacturer	Engine Families
IVECO	8VEXL03.2TAI
IVECO	8VEXL03.2TCE
IVECO	8VEXL03.2TCI
IVECO	8VEXL04.5DAA
IVECO	8VEXL04.5DAB
IVECO	8VEXL04.5DCA
IVECO	8VEXL04.5DCB
IVECO	8VEXL06.7DAA
IVECO	8VEXL06.7DCA
IVECO	8VEXL06.7DCB
IVECO	8VEXL06.7DCC
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
John Deere Power	8JDXL03.0064
John Deere Power	8JDXL03.0208
John Deere Power	8JDXL04.5075
John Deere Power	8JDXL04.5083
John Deere Power	8JDXL04.5107
John Deere Power	8JDXL06.8038
John Deere Power	8JDXL06.8039
John Deere Power	8JDXL06.8041
John Deere Power	8JDXL06.8049

Manufacturer	Engine Families
John Deere Power	8JDXL06.8078
John Deere Power	8JDXL06.8080
John Deere Power	8JDXL06.8101
John Deere Power	8JDXL06.8104
John Deere Power	8JDXL06.8105
John Deere Power	8JDXL06.8106
John Deere Power	8JDXL08.1037
John Deere Power	8JDXL09.0102
John Deere Power	8JDXL09.0114
John Deere Power	8JDXL12.5035
John Deere Power	8JDXL13.5103
Komatsu	8KLXL0275AAG
Komatsu	8KLXL0275AAH
Komatsu	8KLXL03.3JA6
Komatsu	8KLXL03.3JB6
Komatsu	8KLXL03.3JD6
Komatsu	8KLXL03.3JD7
Komatsu	8KLXL03.3JD9
Komatsu	8KLXL0409AAB
Komatsu	8KLXL0409AAC
Komatsu	8KLXL050.AAA
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

Manufacturer	Engine Families
Kubota	8KBXL02.4FAD
Kubota	8KBXL02.4HAD
Kubota	8KBXL02.6EAD
Kubota	8KBXL03.3CAD
Kubota	8KBXL03.6BAC
Kubota	8KBXL03.6BAD
Kubota	8KBXL03.6BCD
Kubota	8KBXL03.6DAD
Kubota	8KBXL03.8AAC
Kubota	8KBXL03.8AGD
Kukje Machinery	8KMCL2.28A41
M/S. SIMPSON & C.	8SCLL02.7V50
Liebherr Machines	8LHAL10.5LPA
Liebherr Machines	8LHAL10.5LPE
Liebherr Machines	8LHAL12.0KPA
Liebherr Machines	8LHAL12.8RMC
Liebherr Machines	8LHAL24.2VCE
Liebherr Machines	8LHAL9.54SPA
Liebherr Werk	8LHAL21.9VMR
Mitsubishi	8MVXL02.5HHH
Mitsubishi	8MVXL03.3AAC
Mitsubishi	8MVXL04.2BBB
Mitsubishi	8MVXL04.2CCC
Mitsubishi	8MVXL05.0AAD
Mitsubishi	8MVXL05.0AAG
Mitsubishi	8MVXL06.4FFF
Mitsubishi	8MVXL24.5BBA
Mitsubishi	8MVXL33.9BBA
Mitsubishi	8MVXL37.1BBA
Mitsubishi	8MVXL49.0BBA
Mitsubishi	8MVXL65.4BBA
MAHINDRA & MAHINDRA	8MMLL02.5N52
MAHINDRA & MAHINDRA	8MMLL02.5N57

Manufacturer	Engine Families
MAHINDRA & MAHINDRA	8MMLL02.5N59
MAHINDRA & MAHINDRA	8MMLL02.5N62
MAHINDRA & MAHINDRA	8MMLL02.5N64
MAHINDRA & MAHINDRA	8MMLL02.7M30
MAHINDRA & MAHINDRA	8MMLL03.3N75
MAHINDRA & MAHINDRA	8MMLL03.3N79
MOTORENFABRIK	8HZXL3.43C42
MOTORENFABRIK	8HZXL3.43V42
MTU DETROIT DIESEL,	8MDDL31.8XRR
MTU DETROIT DIESEL,	8MDDL35.8GRR
MTU DETROIT DIESEL,	8MDDL95.4XTR
NISSAN DIESEL	8NDXL03.2TNA
NISSAN DIESEL	8NDXL04.2TNA
Perkins Engines	8PKXL04.4NH1
Perkins Engines	8PKXL04.4NJ1
Perkins Engines	8PKXL04.4NJ2
Perkins Engines	8PKXL04.4NM1
Perkins Engines	8PKXL04.4RG3
Perkins Engines	8PKXL06.6PJ1
Perkins Engines	8PKXL06.6PJ2
Perkins Engines	8PKXL15.2TA2
Perkins Engines	8PKXL15.2TAG
Perkins Engines	8PKXL18.1TAG
Scania	8Y9XL11.7BBA
Scania	8Y9XL11.7BBB
Scania	8Y9XL15.6BDE
Volvo	8VSXL09.4CE3
Volvo	8VSXL12.1CE3
Volvo	8VSXL16.1CE3
Yanmar	8YDXL2.00N4T
Yanmar	8YDXL3.32C4N
Yanmar	8YDXL3.32C4T
Yanmar	8YDXL3.32R4N

Manufacturer	Engine Families
Yanmar	8YDXL3.32M4N
Yanmar	8YDXL3.32M4T

Model Year 2009 Engines

Manufacturer	Engine Families
AB Volvo Penta	9VPXL09.4BAA
AB Volvo Penta	9VPXL12.1BAA
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
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

Manufacturer	Engine Families
Caterpillar	9CPXL58.6T2Y
Caterpillar	9CPXL78.1E2W
Caterpillar	9CPXL78.1T2E
CNH UK LTD	9NHXL04.5DAA
CNH UK LTD	9NHXL04.5DAB
CNH UK LTD	9NHXL04.5DCA
CNH UK LTD	9NHXL04.5DCB
CNH UK LTD	9NHXL06.7DAA
CNH UK LTD	9NHXL06.7DCA
CNH UK LTD	9NHXL06.7DCB
CNH UK LTD	9NHXL06.7DCC
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	9CEXL03.3ACA
Cummins	9CEXL03.3ACB
Cummins	9CEXL03.3ACD
Cummins	9CEXL03.3ACE
Cummins	9CEXL030.AAB
Cummins	9CEXL030.AAD
Cummins	9CEXL030.ABA
Cummins	9CEXL0409AAB
Cummins	9CEXL0409AAC
Cummins	9CEXL0409AAD
Cummins	9CEXL045.AAA

Manufacturer	Engine Families
Cummins	9CEXL050.AAA
Cummins	9CEXL050.AAC
Cummins	9CEXL050.AAD
Cummins	9CEXL050.AAF
Cummins	9CEXL050.ABA
Cummins	9CEXL0505AAE
Cummins	9CEXL0540AAB
Cummins	9CEXL0540AAD
Cummins	9CEXL060.AAB
Cummins	9CEXL060.AAD
Cummins	9CEXL0661AAF
Cummins	9CEXL0661AAG
Cummins	9CEXL0661AAH
Cummins	9CEXL0661AAJ
Cummins	9CEXL078.AAA
Cummins	9CEXL2.28A41
Deutz	9DZXL04.8071
Deutz	9DZXL04.8073
Deutz	9DZXL02.3048
Deutz	9DZXL02.3099
Deutz	9DZXL02.7096
Deutz	9DZXL03.2088
Deutz	9DZXL03.6081
Deutz	9DZXL03.6082
Deutz	9DZXL03.6084
Deutz	9DZXL03.6086
Deutz	9DZXL03.6097
Deutz	9DZXL03.6098
Deutz	9DZXL04.1069
Deutz	9DZXL04.1070
Deutz	9DZXL04.1072
Deutz	9DZXL04.1076
Deutz	9DZXL04.1078

Manufacturer	Engine Families
Deutz	9DZXL04.1079
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	9DZXL06.5074
Deutz	9DZXL07.1051
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	9HMXL12.9EUV
Isuzu	9SZXL02.2UXA
Isuzu	9SZXL03.0IXA
Isuzu	9SZXL03.0JTA
Isuzu	9SZXL03.0JXA
Isuzu	9SZXL03.0JXB
Isuzu	9SZXL03.0UTB
Isuzu	9SZXL05.2HXA

Manufacturer	Engine Families
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	9VEXL03.2TCE
IVECO	9VEXL03.2TCI
IVECO	9VEXL04.5DCB
IVECO	9VEXL04.5DAA
IVECO	9VEXL04.5DAB
IVECO	9VEXL04.5DCA
IVECO	9VEXL06.7DAA
IVECO	9VEXL06.7DCA
IVECO	9VEXL06.7DCB
IVECO	9VEXL06.7DCC
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	9JDXL03.0064
John Deere Power	9JDXL03.0113

Manufacturer	Engine Families
John Deere Power	9JDXL03.0203
John Deere Power	9JDXL03.0208
John Deere Power	9JDXL04.5083
John Deere Power	9JDXL04.5107
John Deere Power	9JDXL06.8049
John Deere Power	9JDXL06.8080
John Deere Power	9JDXL06.8104
John Deere Power	9JDXL06.8105
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	9KLXL0275AAH
Komatsu	9KLXL03.3JA6
Komatsu	9KLXL03.3JB6
Komatsu	9KLXL03.3JD6
Komatsu	9KLXL03.3JD7
Komatsu	9KLXL0409AAB
Komatsu	9KLXL0409AAC
Komatsu	9KLXL050.AAA
Komatsu	9KLXL050.AAC
Komatsu	9KLXL0505AAE
Komatsu	9KLXL060.AAA
Komatsu	9KLXL060.AAB
Komatsu	9KLXL11.0DD6
Komatsu	9KLXL15.2ED7
Komatsu	9KLXL15.2ED6
Komatsu	9KLXL23.2FD5
Komatsu	9KLXL23.2FD6
Komatsu	9KLXL23.2FD7
Komatsu	9KLXL30.5GD3

Manufacturer	Engine Families
Komatsu	9KLXL03.3JD9
Kubota	9KBXL02.4FAD
Kubota	9KBXL02.4HAD
Kubota	9KBXL02.6EAD
Kubota	9KBXL03.3CAD
Kubota	9KBXL03.6BAC
Kubota	9KBXL03.6BAD
Kubota	9KBXL03.6BCD
Kubota	9KBXL03.6DAD
Kubota	9KBXL03.8AAC
Kubota	9KBXL03.8AGD
Kubota	9KBXL03.8AHD
Kubota	9KBXL06.1AHD
Kukje Machinery	9KMCL2.28A41
Liebherr Machines	9LHAL10.5LPA
Liebherr Machines	9LHAL10.5LPE
Liebherr Machines	9LHAL12.0KPA
Liebherr Machines	9LHAL12.8RMC
Liebherr Machines	9LHAL24.2VCE
Liebherr Machines	9LHAL24.2VCI
LOMBARDINI MOTORI	9LBDL2.19CH2
Mitsubishi	9MFTL02.8M4B
Mitsubishi	9MFTL04.9M5A
Mitsubishi	9MFTL07.5M6A
Mitsubishi	9MFTL12.9M7A
Mitsubishi	9MVXL03.3AAC
Mitsubishi	9MVXL03.3AAH
Mitsubishi	9MVXL04.2BBB
Mitsubishi	9MVXL04.2CCC
Mitsubishi	9MVXL05.0AAD
Mitsubishi	9MVXL06.4FFF
Mitsubishi	9MVXL24.5BBA
Mitsubishi	9MVXL33.9BBA

Manufacturer	Engine Families
Mitsubishi	9MVXL37.1BBA
Mitsubishi	9MVXL49.0BBA
Mitsubishi	9MVXL65.4BBA
MOTORENFABRIK	9HZXL2.57C41
MOTORENFABRIK	9HZXL2.57V41
MOTORENFABRIK	9HZXL3.43C42
MOTORENFABRIK	9HZXL3.43V42
MTU DETROIT DIESEL	9MDDL31.8XRR
MTU DETROIT DIESEL	9MDDL35.8GRR
NAVISTAR	9NVXL0466ANA
NISSAN DIESEL	9NDXL03.2TNA
NISSAN DIESEL	9NDXL04.2TNA
Perkins Engines	9PKXL04.4NJ1
Perkins Engines	9PKXL04.4NJ2
Perkins Engines	9PKXL04.4NM1
Perkins Engines	9PKXL04.4NM2
Perkins Engines	9PKXL04.4RG3
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
TOYOTA INDUSTRIAL	9TALL02.51DZ
Yanmar	9YDXL2.00N4T
Yanmar	9YDXL3.05K4N
Yanmar	9YDXL3.32C4N
Yanmar	9YDXL3.32C4T
Yanmar	9YDXL3.32M4N
Yanmar	9YDXL3.32M4T

Model Year 2010 Engines

Manufacturer	Engine Families
Cummins	ACEXL015.AAE
Cummins	ACEXL015.AAH
Cummins	ACEXL015.AAJ
Cummins	ACEXL019.AAD
Cummins	ACEXL023.AAA
Cummins	ACEXL023.AAB
Cummins	ACEXL023.AAC
Cummins	ACEXL0275AAG
Cummins	ACEXL0275AAH
Cummins	ACEXL0275AAK
Cummins	ACEXL03.3ACA
Cummins	ACEXL03.3ACB
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.AAA
Cummins	ACEXL050.AAC
Cummins	ACEXL050.AAD
Cummins	ACEXL050.AAF
Cummins	ACEXL050.ABA
Cummins	ACEXL0505AAE
Cummins	ACEXL0540AAB
Cummins	ACEXL0540AAC
Cummins	ACEXL0540AAD
Cummins	ACEXL060.AAB
Cummins	ACEXL060.AAD
Cummins	ACEXL0661AAF
Cummins	ACEXL0661AAG

Manufacturer	Engine Families
Cummins	ACEXL0661AAH
Cummins	ACEXL0661AAJ
Cummins	ACEXL078.AAA
Doosan Infracore	ADICL05.8UTA
Doosan Infracore	ADICL11.0UJA
John Deere Power	AJDXL02.9050
John Deere Power	AJDXL03.0064
John Deere Power	AJDXL03.0113
John Deere Power	AJDXL03.0203
John Deere Power	AJDXL03.0206
John Deere Power	AJDXL03.0208
John Deere Power	AJDXL04.5083
John Deere Power	AJDXL04.5107
John Deere Power	AJDXL06.8049
John Deere Power	AJDXL06.8078
John Deere Power	AJDXL06.8080
John Deere Power	AJDXL06.8104
John Deere Power	AJDXL06.8105
John Deere Power	AJDXL06.8106
John Deere Power	AJDXL06.8117
John Deere Power	AJDXL08.1037
John Deere Power	AJDXL09.0114
Komatsu, Ltd.	AKLXL050.AAA
Komatsu, Ltd.	AKLXL050.AAC
Komatsu, Ltd.	AKLXL060.AAA
Komatsu, Ltd.	AKLXL060.AAB
Komatsu, Ltd.	AKLXL078.AAA
Komatsu, Ltd.	AKLXL0275AAG
Komatsu, Ltd.	AKLXL0275AAH
Komatsu, Ltd.	AKLXL0409AAB
Komatsu, Ltd.	AKLXL0409AAC
Komatsu, Ltd.	AKLXL0505AAE
Komatsu, Ltd.	AKLXL03.3JA6
Komatsu, Ltd.	AKLXL03.3JB6

Manufacturer	Engine Families
Komatsu, Ltd.	AKLXL03.3JD6
Komatsu, Ltd.	AKLXL03.3JD8
Komatsu, Ltd.	AKLXL03.3JD9
Komatsu, Ltd.	AKLXL30.5GD3
Komatsu, Ltd.	AKLXL23.2FD5
Komatsu, Ltd.	AKLXL23.2FD6
Komatsu, Ltd.	AKLXL23.2FD7
Liebherr Machines	ALHAL10.5LPA
Liebherr Machines	ALHAL12.0KPA
Mitsubishi	AMVXL03.3AAH
Mitsubishi	AMVXL04.2BBB
Mitsubishi	AMVXL04.2CCC
Mitsubishi	AMVXL05.0AAD
Mitsubishi	AMVXL05.0AAG
Mitsubishi	AMVXL06.4FFF
Mitsubishi	AMVXL24.5BBA
Mitsubishi	AMVXL33.9BBA
Mitsubishi	AMVXL37.1BBA
Mitsubishi	AMVXL49.0BBA
Mitsubishi	AMVXL65.4BBA
MTU Detroit Diesel	AMDDL31.8XRR
Perkins Engines	APKXL06.6PJ2
Perkins Engines	APKXL15.2TA2
Perkins Engines	APKXL15.2TAG
Perkins Engines	APKXL18.1TAG

Model Year 2011 Engines

Manufacturer	Engine Families
AGCO Sisu Power	BSIDL07.4G5C
AGCO Sisu Power	BSIDL07.4G4E
Caterpillar	BCPXL08.8NZS
Caterpillar	BCPXL11.1ESK
Caterpillar	BCPXL12.5ESK
Caterpillar	BCPXL15.2ESW

Manufacturer	Engine Families
Caterpillar	BCPXL15.2NYS
Caterpillar	BCPXL18.1ESK
Caterpillar	BCPXL27.0NZS
Caterpillar	BCPXL32.0NZS
CNH UK LTD.	BNHXL04.5DAA
CNH UK LTD.	BNHXL04.5DAB
CNH UK LTD.	BNHXL04.5DCA
CNH UK LTD.	BNHXL06.7DAA
CNH UK LTD.	BNHXL06.7DCC
CNH UK LTD.	BNHXL06.7DCA
CNH UK LTD.	BNHXL06.7DCB
Cummins	BCEXL050.AAD
Cummins	BCEXL050.AAC
Cummins	BCEXL0275AAG
Cummins	BCEXL0275AAH
Cummins	BCEXL03.3ACA
Cummins	BCEXL03.3ACB
Cummins	BCEXL03.3ACD
Cummins	BCEXL03.3ACE
Cummins	BCEXL0409AAC
Hyundai Motor Co	BHYXL03.9TDI
Ishikawajima Shibaura	BH3XL2.22N4L
IVECO	BVEXL04.5DAA
IVECO	BVEXL04.5DAB
IVECO	BVEXL04.5DCA
IVECO	BVEXL06.7DAA
IVECO	BVEXL06.7DCC
IVECO	BVEXL03.2TCI
IVECO	BVEXL03.2TAI
IVECO	BVEXL06.7DCB
IVECO	BVEXL06.7DCA
JCB Power Systems	BJCBL04.4TA7
JCB Power Systems	BJCBL04.4TA8
JCB Power Systems	BJCBL04.4TAE

Manufacturer	Engine Families
JCB Power Systems	BJCBL04.4TC6
John Deere Power	BJDXL02.9050
John Deere Power	BJDXL03.0064
John Deere Power	BJDXL03.0113
John Deere Power	BJDXL03.0203
John Deere Power	BJDXL03.0206
John Deere Power	BJDXL03.0208
John Deere Power	BJDXL04.5107
John Deere Power	BJDXL06.8078
John Deere Power	BJDXL06.8104
John Deere Power	BJDXL06.8105
John Deere Power	BJDXL06.8106
Komatsu, Ltd.	BKLXL0275AAG
Komatsu, Ltd.	BKLXL0275AAH
Komatsu, Ltd.	BKLXL0409AAC
Komatsu, Ltd.	BKLXL03.3JA6
Komatsu, Ltd.	BKLXL03.3JB6
Komatsu, Ltd.	BKLXL03.3JD6
Komatsu, Ltd.	BKLXL03.3JD7
Kubota	BKBXL02.4HAD
Kubota	BKBXL03.6BCD
Kukje Machinery	BKMCL2.28A41
Kukje Machinery	BKMCL2.39A44
Mitsubishi Fuso Truck	BMFTL02.8M4B
Mitsubishi Heavy Industries	BMVXL02.5HHH
Mitsubishi Heavy Industries	BMVXL03.3AAC
Mitsubishi Heavy Industries	BMVXL03.3AAH
Mitsubishi Heavy Industries	BMVXL04.2BBB
Mitsubishi Heavy Industries	BMVXL05.0AAG
Mitsubishi Heavy Industries	BMVXL04.2CCC
Mitsubishi Heavy Industries	BMVXL05.0AAD
Mitsubishi Heavy Industries	BMVXL06.4FFF
Perkins	BPKXL04.4NJ1
Perkins	BPKXL04.4NJ2

Manufacturer	Engine Families
Perkins	BPKXL04.4NM1
Perkins	BPKXL04.4NM2
Perkins	BPKXL04.4RG3
Perkins	BPKXL06.6PJ2
Perkins	BPKXL06.6PJ3
Toyota Industrial	BTALL02.51DZ
UD Trucks Corp.	BNDXL03.2TNA
UD Trucks Corp.	BNDXL04.2TNA
VM Motori S.P.A.	BV5XL04.5T60

Model Year 2012 Engines

Manufacturer	Engine Families
Caterpillar	CCPXL07.2ESJ
Caterpillar	CCPXL08.8ESJ
Caterpillar	CCPXL08.8NZS
Caterpillar	CCPXL106.NZS
Caterpillar	CCPXL11.1ESJ
Caterpillar	CCPXL11.1ESK
Caterpillar	CCPXL12.5ESJ
Caterpillar	CCPXL12.5ESK
Caterpillar	CCPXL15.2ESJ
Caterpillar	CCPXL15.2ESW
Caterpillar	CCPXL15.2NYS
Caterpillar	CCPXL15.2NZS
Caterpillar	CCPXL18.1ESJ
Caterpillar	CCPXL18.1ESK
Caterpillar	CCPXL18.1NYS
Caterpillar	CCPXL18.1NZS
Caterpillar	CCPXL27.0ESJ
Caterpillar	CCPXL27.0NZS
Caterpillar	CCPXL32.0NZS
Caterpillar	CCPXL78.1NZS
Cummins	CCEXL015.AAH
Cummins	CCEXL015.AAJ

Manufacturer	Engine Families
Cummins	CCEXL019.AAD
Cummins	CCEXL023.AAB
Cummins	CCEXL0275AAG
Cummins	CCEXL0275AAK
Cummins	CCEXL03.3ACD
Cummins	CCEXL03.3ACE
Cummins	CCEXL030.AAD
Cummins	CCEXL0409AAB
Cummins	CCEXL0409AAC
Cummins	CCEXL0409AAD
Cummins	CCEXL050.AAD
Cummins	CCEXL0505AAE
Cummins	CCEXL0540AAB
Cummins	CCEXL060.AAD
Cummins	CCEXL15.0AAI
John Deere Power	CJDXL03.0113
John Deere Power	CJDXL03.0203
John Deere Power	CJDXL04.5107
John Deere Power	CJDXL04.5119
John Deere Power	CJDXL04.5141
John Deere Power	CJDXL06.8120
John Deere Power	CJDXL09.0114
John Deere Power	CJDXL09.0140
John Deere Power	CJDXL13.5132
Detroit Diesel	CDDXL14.0VLD
Detroit Diesel	CDDXL14.0WLD
Deutz	CDZXL03.1041
DOOSAN INFRACORE	CDICL18.3USA
DOOSAN INFRACORE	CDICL21.9UYA
FPT INDUSTRIAL S.P.	CFPXL03.2TAI
FPT INDUSTRIAL S.P.	CFPXL06.7DGB
FPT INDUSTRIAL S.P.	CFPXL06.7DGS
FPT INDUSTRIAL S.P.	CFPXL08.7TR3
FPT INDUSTRIAL S.P.	CFPXL10.3TR3

Manufacturer	Engine Families
FPT INDUSTRIAL S.P.	CFPXL12.9IGR
Komatsu, Ltd.	CKLXL03.3JA6
Komatsu, Ltd.	CKLXL03.3JD9
Komatsu, Ltd.	CKLXL23.2FD5
Kubota	CKBXL02.4HAD
Kubota	CKBXL03.6BCD
Kukje Machinery	CKMCL3.41D43
Mitsubishi Fuso Truck	CMFTL02.8M4B
MTU Detroit Diesel	CMDDL14.0ZWK
MTU Detroit Diesel	CMDDL21.0ZWR
MTU Detroit Diesel	CMDDL31.8XRR
MTU Detroit Diesel	CMDDL35.8GRR
MTU Detroit Diesel	CMDDL95.4XTR
Perkins	CPKXL04.4NH1
Perkins	CPKXL04.4NJ1
Perkins	CPKXL06.6PJ1
Perkins	CPKXL06.6PJ2
Perkins	CPKXL06.6PJ3
Perkins	CPKXL12.5TAG
Perkins	CPKXL15.2TA2
Perkins	CPKXL15.2TAG
Perkins	CPKXL18.1TAG
SIMPSON & C.	CSCLL03.6V74
TIEM	CTIEL05.26CA
AB Volvo Penta	CVPXL16.1ACB
AB Volvo Penta	CVPXL16.1ACG
AB Volvo Penta	CVPXL16.1ACW
Yanmar	CYDXL3.32R4N

Model Year 2013 Engines

Manufacturer	Engine Families
Caterpillar	DCPXL07.2ESJ
Caterpillar	DCPXL08.8ESJ
Caterpillar	DCPXL08.8NZS

Manufacturer	Engine Families
Caterpillar	DCPXL106.NZS
Caterpillar	DCPXL11.1ESJ
Caterpillar	DCPXL12.5ESJ
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	DCEXL0275AAH
Cummins	DCEXL0275AAK
Cummins	DCEXL030.AAD
Cummins	DCEXL0409AAB
Cummins	DCEXL0409AAC
Cummins	DCEXL0409AAD
Cummins	DCEXL050.AAD
Cummins	DCEXL0505AAE
Cummins	DCEXL0540AAB
Cummins	DCEXL060.AAD
Cummins	DCEXL0661AAH
John Deere Power	DJDXL03.0208
John Deere Power	DJDXL04.5119
John Deere Power	DJDXL04.5141
John Deere Power	DJDXL04.5212
John Deere Power	DJDXL06.8104
John Deere Power	DJDXL06.8105
John Deere Power	DJDXL06.8106

Manufacturer	Engine Families
John Deere Power	DJDXL06.8120
John Deere Power	DJDXL09.0114
John Deere Power	DJDXL13.5132
DETROIT DIESEL (DDX)	DDDXL14.0WLD
DOOSAN (DIC)	DDICL18.3USA
DOOSAN (DIC)	DDICL21.9UYA
FPT INDUSTRIAL S.P. (FPX)	DFPXL06.7DGB
FPT INDUSTRIAL S.P. (FPX)	DFPXL06.7DGS
FPT INDUSTRIAL S.P. (FPX)	DFPXL08.7TR3
FPT INDUSTRIAL S.P. (FPX)	DFPXL10.3TR3
FPT INDUSTRIAL S.P. (FPX)	DFPXL12.9IGR
KOMATSU LTD. (KLX)	DKLXL060.AAE
KOMATSU LTD. (KLX)	DKLXL23.2FD5
KUKJE MACHINERY (KMC)	DKMCL3.41D43
MTSUBISHI (MVX)	DMVXL24.5BBA
MTSUBISHI (MVX)	DMVXL33.9BBA
MTSUBISHI (MVX)	DMVXL37.1BBA
MTSUBISHI (MVX)	DMVXL49.0BBA
MTSUBISHI (MVX)	DMVXL65.4BBA
MTSUBISHI (MVX)	DMVXL65.4BBB
MTU DD (MDD)	DMDDL14.0ZWK
MTU DD (MDD)	DMDDL21.0ZWR
MTU DD (MDD)	DMDDL31.8XRR
MTU DD (MDD)	DMDDL35.8GRR
MTU DD (MDD)	DMDDL95.4XTR
PERKINS (PKX)	DPKXL04.4NH1
PERKINS (PKX)	DPKXL04.4NJ1
PERKINS (PKX)	DPKXL04.4NJ2
PERKINS (PKX)	DPKXL04.4NM1
PERKINS (PKX)	DPKXL04.4NM2
PERKINS (PKX)	DPKXL06.6PJ1
PERKINS (PKX)	DPKXL06.6PJ2
PERKINS (PKX)	DPKXL06.6PJ3
PERKINS (PKX)	DPKXL12.5TAG

Manufacturer	Engine Families
PERKINS (PKX)	DPKXL15.2TA2
PERKINS (PKX)	DPKXL15.2TAG
PERKINS (PKX)	DPKXL18.1TAG
VPX (VPX)	DVPXL16.1ACB
VPX (VPX)	DVPXL16.1ACG
VPX (VPX)	DVPXL16.1ACW

Model Year 2014 Engines

Manufacturer	Engine Families
CATERPILLAR (CPX)	ECPXL08.8NZS
CATERPILLAR (CPX)	ECPXL106.NZS
CATERPILLAR (CPX)	ECPXL12.5NYS
CATERPILLAR (CPX)	ECPXL15.2NYS
CATERPILLAR (CPX)	ECPXL15.2NZS
CATERPILLAR (CPX)	ECPXL18.1NYS
CATERPILLAR (CPX)	ECPXL18.1NZS
CATERPILLAR (CPX)	ECPXL27.0NZS
CATERPILLAR (CPX)	ECPXL32.0NZS
CATERPILLAR (CPX)	ECPXL78.1NZS
CMI (CEX)	ECEXL015.AAH
CMI (CEX)	ECEXL015.AAJ
CMI (CEX)	ECEXL019.AAD
CMI (CEX)	ECEXL023.AAB
CMI (CEX)	ECEXL0275AAG
CMI (CEX)	ECEXL0275AAH
CMI (CEX)	ECEXL0275AAK
CMI (CEX)	ECEXL03.3ACF
CMI (CEX)	ECEXL03.3ACG
CMI (CEX)	ECEXL03.3ACH
CMI (CEX)	ECEXL03.3ACK
CMI (CEX)	ECEXL030.AAD
CMI (CEX)	ECEXL0409AAB
CMI (CEX)	ECEXL0409AAC
CMI (CEX)	ECEXL0409AAD

Manufacturer	Engine Families
CMI (CEX)	ECEXL050.AAD
CMI (CEX)	ECEXL0505AAE
CMI (CEX)	ECEXL0540AAB
CMI (CEX)	ECEXL060.AAD
CMI (CEX)	ECEXL0661AAH
CMI (CEX)	ECEXL13.0AAA
DEERE (JDX)	EJDXL04.5119
DEERE (JDX)	EJDXL04.5141
DEERE (JDX)	EJDXL04.5214
DEERE (JDX)	EJDXL06.8105
DEERE (JDX)	EJDXL06.8120
DEERE (JDX)	EJDXL09.0114
DEERE (JDX)	EJDXL13.5132
DEERE (JDX)	EJDXL13.5146
DETROIT DIESEL (DDX)	EDDXL14.0WLD
DOOSAN (DIC)	EDICL18.3USA
DOOSAN (DIC)	EDICL21.9UYA
FPT INDUSTRIAL S.P. (FPX)	EFPXL06.7DGB
FPT INDUSTRIAL S.P. (FPX)	EFPXL06.7DGS
FPT INDUSTRIAL S.P. (FPX)	EFPXL08.7TR3
FPT INDUSTRIAL S.P. (FPX)	EFPXL10.3TR3
FPT INDUSTRIAL S.P. (FPX)	EFPXL12.9IGR
ISM (H3X)	EH3XL2.22N4L
KOMATSU LTD. (KLX)	EKLXL060.AAE
KOMATSU LTD. (KLX)	EKLXL23.2FD5
KUKJE MACHINERY (KMC)	EKMCL3.41D43
MITSUBISHI (MVX)	EMVXL24.5BBA
MITSUBISHI (MVX)	EMVXL33.9BBA
MITSUBISHI (MVX)	EMVXL37.1BBA
MITSUBISHI (MVX)	EMVXL49.0BBA
MITSUBISHI (MVX)	EMVXL65.4BBA
MITSUBISHI (MVX)	EMVXL65.4BBB
MTU DD (MDD)	EMDDL14.0ZWK
MTU DD (MDD)	EMDDL21.0ZWR

Manufacturer	Engine Families
MTU DD (MDD)	EMDDL31.8XRR
MTU DD (MDD)	EMDDL35.8GRR
MTU DD (MDD)	EMDDL95.4XTR
PERKINS (PKX)	EPKXL04.4NH1
PERKINS (PKX)	EPKXL04.4NH3
PERKINS (PKX)	EPKXL04.4NJ1
PERKINS (PKX)	EPKXL04.4NJ2
PERKINS (PKX)	EPKXL04.4NJ3
PERKINS (PKX)	EPKXL04.4NM1
PERKINS (PKX)	EPKXL04.4NM2
PERKINS (PKX)	EPKXL06.6PJ1
PERKINS (PKX)	EPKXL06.6PJ2
PERKINS (PKX)	EPKXL07.0PW1
VPX (VPX)	EVPXL16.1ACB
VPX (VPX)	EVPXL16.1ACG
VPX (VPX)	EVPXL16.1ACW

Model Year 2015 Engines

Manufacturer	Engine Families
CATERPILLAR (CPX)	FCPXL08.8NZS
CATERPILLAR (CPX)	FCPXL106.NZS
CATERPILLAR (CPX)	FCPXL12.5NYS
CATERPILLAR (CPX)	FCPXL15.2NYS
CATERPILLAR (CPX)	FCPXL15.2NZS
CATERPILLAR (CPX)	FCPXL18.1NYS
CATERPILLAR (CPX)	FCPXL18.1NZS
CATERPILLAR (CPX)	FCPXL27.0NZS
CATERPILLAR (CPX)	FCPXL32.0NZS
CATERPILLAR (CPX)	FCPXL78.1NZS
CMI (CEX)	FCEXL015.AAH
CMI (CEX)	FCEXL015.AAJ
CMI (CEX)	FCEXL019.AAD
CMI (CEX)	FCEXL023.AAB
CMI (CEX)	FCEXL0275AAG

Manufacturer	Engine Families
CMI (CEX)	FCEXL0275AAH
CMI (CEX)	FCEXL0275AAK
CMI (CEX)	FCEXL03.3BAA
CMI (CEX)	FCEXL030.AAD
CMI (CEX)	FCEXL0409AAB
CMI (CEX)	FCEXL0409AAC
CMI (CEX)	FCEXL0409AAD
CMI (CEX)	FCEXL050.AAD
CMI (CEX)	FCEXL0505AAE
CMI (CEX)	FCEXL0540AAB
CMI (CEX)	FCEXL060.AAD
CMI (CEX)	FCEXL0661AAH
CMI (CEX)	FCEXL13.0AAA
CMI (CEX)	FCEXL95.0AAA
DEERE (JDX)	FJDXL02.9142
DEERE (JDX)	FJDXL04.5119
DEERE (JDX)	FJDXL04.5141
DEERE (JDX)	FJDXL04.5214
DEERE (JDX)	FJDXL06.8120
DEERE (JDX)	FJDXL09.0114
DEERE (JDX)	FJDXL13.5132
DEERE (JDX)	FJDXL13.5146
DETROIT DIESEL (DDX)	FDDXL14.0WLD
FPT INDUSTRIAL S.P. (FPX)	FFPXL06.7DGB
FPT INDUSTRIAL S.P. (FPX)	FFPXL06.7DGS
FPT INDUSTRIAL S.P. (FPX)	FFPXL08.7TR3
FPT INDUSTRIAL S.P. (FPX)	FFPXL10.3TR3
FPT INDUSTRIAL S.P. (FPX)	FFPXL12.9IGR
ISM (H3X)	FH3XL2.22N4L
KOHLER CO. (KHx)	FKHXL3.36EST
KOMATSU LTD. (KLX)	FKLXL23.2FD5
KUKJE MACHINERY (KMC)	FKMCL3.41D43
MERCEDES-BENZ (MBX)	FMBXL04.8RJC
MERCEDES-BENZ (MBX)	FMBXL07.2RJC

Manufacturer	Engine Families
mitsubishi (MVX)	FMVXL24.5BBA
mitsubishi (MVX)	FMVXL33.9BBA
mitsubishi (MVX)	FMVXL37.1BBA
mitsubishi (MVX)	FMVXL49.0BBA
mitsubishi (MVX)	FMVXL65.4BBA
MTU DD (MDD)	FMDDL14.0ZWK
MTU DD (MDD)	FMDDL21.0ZWR
MTU DD (MDD)	FMDDL31.8XRR
MTU DD (MDD)	FMDDL35.8GRR
MTU DD (MDD)	FMDDL40.1GNR
MTU DD (MDD)	FMDDL95.4XTR
PERKINS (PKX)	FPKXL04.4NH1
PERKINS (PKX)	FPKXL04.4NJ1
PERKINS (PKX)	FPKXL04.4NM1
PERKINS (PKX)	FPKXL04.4NM2
PERKINS (PKX)	FPKXL04.4NP1
PERKINS (PKX)	FPKXL04.4NR1
PERKINS (PKX)	FPKXL04.4NR2
PERKINS (PKX)	FPKXL06.6PJ1
PERKINS (PKX)	FPKXL06.6PJ2
PERKINS (PKX)	FPKXL07.0PW1
PERKINS (PKX)	FPKXL07.0PW2
VPX (VPX)	FVPXL16.1ACB
VPX (VPX)	FVPXL16.1ACG
VPX (VPX)	FVPXL16.1ACW

Model Year 2016 Engines

Manufacturer	Engine Families
CATERPILLAR (CPX)	GCPXL08.8NZS
CATERPILLAR (CPX)	GCPXL106.NZS
CATERPILLAR (CPX)	GCPXL12.5NYS
CATERPILLAR (CPX)	GCPXL15.2NYS
CATERPILLAR (CPX)	GCPXL15.2NZS
CATERPILLAR (CPX)	GCPXL18.1NYS

Manufacturer	Engine Families
CATERPILLAR (CPX)	GCPXL18.1NZS
CATERPILLAR (CPX)	GCPXL27.0NZS
CATERPILLAR (CPX)	GCPXL32.0NZS
CATERPILLAR (CPX)	GCPXL78.1NZS
CMI (CEX)	GCEXL015.AAH
CMI (CEX)	GCEXL015.AAJ
CMI (CEX)	GCEXL019.AAD
CMI (CEX)	GCEXL023.AAB
CMI (CEX)	GCEXL0275AAG
CMI (CEX)	GCEXL0275AAH
CMI (CEX)	GCEXL0275AAK
CMI (CEX)	GCEXL03.3BAA
CMI (CEX)	GCEXL030.AAD
CMI (CEX)	GCEXL0409AAB
CMI (CEX)	GCEXL0409AAC
CMI (CEX)	GCEXL0409AAD
CMI (CEX)	GCEXL050.AAD
CMI (CEX)	GCEXL0505AAE
CMI (CEX)	GCEXL0540AAB
CMI (CEX)	GCEXL060.AAD
CMI (CEX)	GCEXL0661AAH
CMI (CEX)	GCEXL13.0AAA
CMI (CEX)	GCEXL95.0AAA
DEERE (JDX)	GJDXL02.9142
DEERE (JDX)	GJDXL04.5119
DEERE (JDX)	GJDXL04.5141
DEERE (JDX)	GJDXL04.5214
DEERE (JDX)	GJDXL06.8120
DEERE (JDX)	GJDXL09.0114
DEERE (JDX)	GJDXL13.5132
DEERE (JDX)	GJDXL13.5146
DETROIT DIESEL (DDX)	GDDXL14.0WLD
FPT INDUSTRIAL S.P. (FPX)	GFPXL06.7DGB
FPT INDUSTRIAL S.P. (FPX)	GFPXL06.7DGS

Manufacturer	Engine Families
FPT INDUSTRIAL S.P. (FPX)	GFPXL08.7TR3
FPT INDUSTRIAL S.P. (FPX)	GFPXL10.3TR3
FPT INDUSTRIAL S.P. (FPX)	GFPXL12.9IGR
ISM (H3X)	GH3XL2.22N4L
KUBOTA (KBX)	GKBXL03.6BAC
KUKJE MACHINERY (KMC)	GKMCL3.41D43
MERCEDES-BENZ (MBX)	GMBXL04.8RJC
MERCEDES-BENZ (MBX)	GMBXL07.2RJC
MITSUBISHI (MVX)	GMVXL03.3CBA
MITSUBISHI (MVX)	GMVXL24.5BBA
MITSUBISHI (MVX)	GMVXL33.9BBA
MITSUBISHI (MVX)	GMVXL37.1BBA
MITSUBISHI (MVX)	GMVXL49.0BBA
MITSUBISHI (MVX)	GMVXL65.4BBA
MTU DD (MDD)	GMDDL14.0ZWK
MTU DD (MDD)	GMDDL21.0ZWR
MTU DD (MDD)	GMDDL31.8XRR
MTU DD (MDD)	GMDDL35.8GRR
MTU DD (MDD)	GMDDL40.1GNR
MTU DD (MDD)	GMDDL95.4GTR
PERKINS (PKX)	GPKXL04.4NH1
PERKINS (PKX)	GPKXL04.4NJ1
PERKINS (PKX)	GPKXL04.4NM1
PERKINS (PKX)	GPKXL04.4NM2
PERKINS (PKX)	GPKXL04.4NP1
PERKINS (PKX)	GPKXL04.4NR1
PERKINS (PKX)	GPKXL04.4NR2
PERKINS (PKX)	GPKXL07.0PW1
PERKINS (PKX)	GPKXL07.0PW2
VPX (VPX)	GVPXL16.1ACB
VPX (VPX)	GVPXL16.1ACG
VPX (VPX)	GVPXL16.1ACW

Model Year 2017 Engines

Manufacturer	Engine Families
CATERPILLAR (CPX)	HCPXL08.8NZS
CATERPILLAR (CPX)	HCPXL106.NZS
CATERPILLAR (CPX)	HCPXL12.5NYS
CATERPILLAR (CPX)	HCPXL15.2NYS
CATERPILLAR (CPX)	HCPXL15.2NZS
CATERPILLAR (CPX)	HCPXL18.1NYS
CATERPILLAR (CPX)	HCPXL18.1NZS
CATERPILLAR (CPX)	HCPXL27.0NZS
CATERPILLAR (CPX)	HCPXL32.0NZS
CATERPILLAR (CPX)	HCPXL78.1NZS
CMI (CEX)	HCEXL015.AAH
CMI (CEX)	HCEXL015.AAJ
CMI (CEX)	HCEXL019.AAD
CMI (CEX)	HCEXL023.AAB
CMI (CEX)	HCEXL0275AAG
CMI (CEX)	HCEXL0275AAH
CMI (CEX)	HCEXL0275AAK
CMI (CEX)	HCEXL03.3BAA
CMI (CEX)	HCEXL030.AAD
CMI (CEX)	HCEXL0409AAB
CMI (CEX)	HCEXL0409AAC
CMI (CEX)	HCEXL0409AAD
CMI (CEX)	HCEXL050.AAD
CMI (CEX)	HCEXL0505AAE
CMI (CEX)	HCEXL0540AAB
CMI (CEX)	HCEXL060.AAD
CMI (CEX)	HCEXL0661AAH
CMI (CEX)	HCEXL95.0AAA
DEERE (JDX)	HJDXL02.9142
DEERE (JDX)	HJDXL04.5119
DEERE (JDX)	HJDXL04.5141
DEERE (JDX)	HJDXL04.5214
DEERE (JDX)	HJDXL06.8120

Manufacturer	Engine Families
DEERE (JDX)	HJDXL09.0114
DEERE (JDX)	HJDXL13.5132
DEERE (JDX)	HJDXL13.5146
DETROIT DIESEL (DDX)	HDDXL14.0WLD
FPT INDUSTRIAL S.P. (FPX)	HFPXL06.7DGB
FPT INDUSTRIAL S.P. (FPX)	HFPXL06.7DGS
FPT INDUSTRIAL S.P. (FPX)	HFPXL08.7TR3
FPT INDUSTRIAL S.P. (FPX)	HFPXL10.3TR3
FPT INDUSTRIAL S.P. (FPX)	HFPXL12.9IGR
ISM (H3X)	HH3XL2.22N4L
KUBOTA (KBX)	HKBXL03.6BAC
KUKJE MACHINERY (KMC)	HKMCL3.41D43
LMB (LHA)	HLHAL103.ESP
LMB (LHA)	HLHAL45.0ESP
MERCEDES-BENZ (MBX)	HMBXL04.8RJC
MERCEDES-BENZ (MBX)	HMBXL07.2RJC
MAZDA (MVX)	HMVXL03.3AAJ
MAZDA (MVX)	HMVXL03.3CBA
MAZDA (MVX)	HMVXL24.5BBA
MAZDA (MVX)	HMVXL33.9BBA
MAZDA (MVX)	HMVXL37.1BBA
MAZDA (MVX)	HMVXL49.0BBA
MAZDA (MVX)	HMVXL65.4BBA
MTU DD (MDD)	HMDDL14.0ZWK
MTU DD (MDD)	HMDDL21.0ZWR
MTU DD (MDD)	HMDDL35.8GRR
MTU DD (MDD)	HMDDL40.1GNR
MTU DD (MDD)	HMDDL95.4GTR
PERKINS (PKX)	HPKXL04.4NM1
PERKINS (PKX)	HPKXL04.4NM2
PERKINS (PKX)	HPKXL04.4NP1
PERKINS (PKX)	HPKXL04.4NR1
PERKINS (PKX)	HPKXL04.4NR2
PERKINS (PKX)	HPKXL07.0PW1

Manufacturer	Engine Families
PERKINS (PKX)	HPKXL07.0PW2
VPX (VPX)	HVPXL16.1ACB
VPX (VPX)	HVPXL16.1ACG

Model Year 2018 Engines

Manufacturer	Engine Families
CATERPILLAR (CPX)	JCPXL08.8NZS
CATERPILLAR (CPX)	JCPXL106.NZS
CATERPILLAR (CPX)	JCPXL12.5NYS
CATERPILLAR (CPX)	JCPXL15.2NYS
CATERPILLAR (CPX)	JCPXL15.2NZS
CATERPILLAR (CPX)	JCPXL18.1NYS
CATERPILLAR (CPX)	JCPXL18.1NZS
CATERPILLAR (CPX)	JCPXL27.0NZS
CATERPILLAR (CPX)	JCPXL32.0NZS
CATERPILLAR (CPX)	JCPXL78.1NZS
CMI (CEX)	JCEXL015.AAH
CMI (CEX)	JCEXL015.AAJ
CMI (CEX)	JCEXL019.AAD
CMI (CEX)	JCEXL023.AAB
CMI (CEX)	JCEXL0275AAG
CMI (CEX)	JCEXL0275AAH
CMI (CEX)	JCEXL0275AAK
CMI (CEX)	JCEXL03.3BAA
CMI (CEX)	JCEXL030.AAD
CMI (CEX)	JCEXL0409AAB
CMI (CEX)	JCEXL0409AAC
CMI (CEX)	JCEXL0409AAD
CMI (CEX)	JCEXL050.AAD
CMI (CEX)	JCEXL0505AAE
CMI (CEX)	JCEXL0540AAB
CMI (CEX)	JCEXL060.AAD
CMI (CEX)	JCEXL0661AAH
CMI (CEX)	JCEXL95.0AAA

Manufacturer	Engine Families
DEERE (JDX)	JJDXL02.9142
DEERE (JDX)	JJDXL04.5119
DEERE (JDX)	JJDXL04.5141
DEERE (JDX)	JJDXL04.5214
DEERE (JDX)	JJDXL06.8120
DEERE (JDX)	JJDXL09.0114
DEERE (JDX)	JJDXL13.5132
DEERE (JDX)	JJDXL13.5146
FPT INDUSTRIAL S.P. (FPX)	JFPXL06.7DGB
FPT INDUSTRIAL S.P. (FPX)	JFPXL06.7DGS
FPT INDUSTRIAL S.P. (FPX)	JFPXL08.7TR3
FPT INDUSTRIAL S.P. (FPX)	JFPXL10.3TR3
FPT INDUSTRIAL S.P. (FPX)	JFPXL12.9IGR
KUBOTA (KBX)	JKBXL03.6BAC
KUKJE MACHINERY (KMC)	JKMCL3.41D43
LMB (LHA)	JLHAL103.ESP
LMB (LHA)	JLHAL45.0ESP
MERCEDES-BENZ (MBX)	JMBXL04.8RJC
MERCEDES-BENZ (MBX)	JMBXL07.2RJC
mitsubishi (MVX)	JMVXL03.3AAJ
mitsubishi (MVX)	JMVXL03.3CBA
mitsubishi (MVX)	JMVXL24.5BBA
mitsubishi (MVX)	JMVXL33.9BBA
mitsubishi (MVX)	JMVXL37.1BBA
mitsubishi (MVX)	JMVXL49.0BBA
mitsubishi (MVX)	JMVXL65.4BBA
MTU DD (MDD)	JMDDL14.0ZWK
MTU DD (MDD)	JMDDL21.0ZWR
MTU DD (MDD)	JMDDL35.8GRR
MTU DD (MDD)	JMDDL40.1GNR
MTU DD (MDD)	JMDDL95.4GTR
PERKINS (PKX)	JPKXL04.4NM1
PERKINS (PKX)	JPKXL04.4NM2
PERKINS (PKX)	JPKXL04.4NP1

Manufacturer	Engine Families
PERKINS (PKX)	JPKXL04.4NR1
PERKINS (PKX)	JPKXL04.4NR2
PERKINS (PKX)	JPKXL07.0PW1
PERKINS (PKX)	JPKXL07.0PW2
VPX (VPX)	JVPXL16.1ACB
VPX (VPX)	JVPXL16.1ACG
VPX (VPX)	JVPXL16.1ACW

Model Year 2019 Engines

Manufacturer	Engine Families
CATERPILLAR (CPX)	KCPXL08.8NZS
CATERPILLAR (CPX)	KCPXL106.NZS
CATERPILLAR (CPX)	KCPXL12.5NYS
CATERPILLAR (CPX)	KCPXL15.2NYS
CATERPILLAR (CPX)	KCPXL15.2NZS
CATERPILLAR (CPX)	KCPXL18.1NYS
CATERPILLAR (CPX)	KCPXL18.1NZS
CATERPILLAR (CPX)	KCPXL27.0NZS
CATERPILLAR (CPX)	KCPXL32.0NZS
CATERPILLAR (CPX)	KCPXL78.1NZS
CMI (CEX)	KCEXL015.AAH
CMI (CEX)	KCEXL015.AAJ
CMI (CEX)	KCEXL019.AAD
CMI (CEX)	KCEXL023.AAB
CMI (CEX)	KCEXL0275AAG
CMI (CEX)	JCEXL0275AAH
CMI (CEX)	KCEXL0275AAK
CMI (CEX)	KCEXL03.3BAA
CMI (CEX)	KCEXL030.AAD
CMI (CEX)	KCEXL0409AAB
CMI (CEX)	KCEXL0409AAC
CMI (CEX)	KCEXL0409AAD
CMI (CEX)	KCEXL050.AAD
CMI (CEX)	KCEXL0505AAE

Manufacturer	Engine Families
CMI (CEX)	KCEXL0540AAB
CMI (CEX)	KCEXL060.AAD
CMI (CEX)	KCEXL0661AAH
CMI (CEX)	KCEXL95.0AAA
DEERE (JDX)	KJDXL02.9142
DEERE (JDX)	KJDXL04.5119
DEERE (JDX)	KJDXL04.5141
DEERE (JDX)	KJDXL04.5214
DEERE (JDX)	KJDXL06.8120
DEERE (JDX)	KJDXL09.0114
DEERE (JDX)	KJDXL13.5132
DEERE (JDX)	KJDXL13.5146
FPT INDUSTRIAL S.P. (FPX)	KFPXL06.7DGB
FPT INDUSTRIAL S.P. (FPX)	KFPXL06.7DGS
FPT INDUSTRIAL S.P. (FPX)	KFPXL06.7LIM
FPT INDUSTRIAL S.P. (FPX)	KFPXL08.7TR3
FPT INDUSTRIAL S.P. (FPX)	KFPXL10.3TR3
FPT INDUSTRIAL S.P. (FPX)	KFPXL12.9IGR
KUBOTA (KBX)	KKBXL03.6BAC
KUKJE MACHINERY (KMC)	KKMCL3.41D43
LMB (LHA)	KLHAL103.ESP
LMB (LHA)	KLHAL45.0ESP
MAZDA (MVX)	KMVXL03.3AAJ
MAZDA (MVX)	KMVXL03.3CBB
MAZDA (MVX)	KMVXL24.5BBA
MAZDA (MVX)	KMVXL33.9BBA
MAZDA (MVX)	KMVXL37.1BBA
MAZDA (MVX)	KMVXL49.0BBA
MAZDA (MVX)	KMVXL65.4BBA
MTU DD (MDD)	KMDDL14.0ZWK
MTU DD (MDD)	KMDDL21.0ZWR
MTU DD (MDD)	KMDDL35.8GRR
MTU DD (MDD)	KMDDL40.1GNR
MTU DD (MDD)	KMDDL95.4GTR

Manufacturer	Engine Families
PERKINS (PKX)	KPKXL04.4NM1
PERKINS (PKX)	KPKXL04.4NM2
PERKINS (PKX)	KPKXL04.4NP1
PERKINS (PKX)	KPKXL04.4NR1
PERKINS (PKX)	KPKXL04.4NR2
PERKINS (PKX)	KPKXL07.0PW1
PERKINS (PKX)	KPKXL07.0PW2
VPX (VPX)	KVPXL16.1ACB
VPX (VPX)	KVPXL16.1ACC
VPX (VPX)	KVPXL16.1ACG
VPX (VPX)	KVPXL16.1ACW

Model Year 2020 Engines

Manufacturer	Engine Families
CATERPILLAR (CPX)	LCPXL08.8NZS
CATERPILLAR (CPX)	LCPXL106.NZS
CATERPILLAR (CPX)	LCPXL12.5NYS
CATERPILLAR (CPX)	LCPXL15.2NYS
CATERPILLAR (CPX)	LCPXL15.2NZS
CATERPILLAR (CPX)	LCPXL18.1NYS
CATERPILLAR (CPX)	LCPXL18.1NZS
CATERPILLAR (CPX)	LCPXL27.0NZS
CATERPILLAR (CPX)	LCPXL32.0NZS
CATERPILLAR (CPX)	LCPXL78.1NZS
CMI (CEX)	LCEXL015.AAH
CMI (CEX)	LCEXL015.AAJ
CMI (CEX)	LCEXL019.AAD
CMI (CEX)	LCEXL023.AAB
CMI (CEX)	LCEXL0275AAG
CMI (CEX)	LCEXL0275AAH
CMI (CEX)	LCEXL0275AAK
CMI (CEX)	LCEXL03.3BAA
CMI (CEX)	LCEXL030.AAD
CMI (CEX)	LCEXL0409AAB

Manufacturer	Engine Families
CMI (CEX)	LCEXL0409AAC
CMI (CEX)	LCEXL0409AAD
CMI (CEX)	LCEXL050.AAD
CMI (CEX)	LCEXL0505AAE
CMI (CEX)	LCEXL0540AAB
CMI (CEX)	LCEXL060.AAD
CMI (CEX)	LCEXL0661AAH
CMI (CEX)	LCEXL13.0AAA
CMI (CEX)	LCEXL95.0AAA
DEERE (JDX)	LJDXL02.9142
DEERE (JDX)	LJDXL04.5119
DEERE (JDX)	LJDXL04.5141
DEERE (JDX)	LJDXL04.5214
DEERE (JDX)	LJDXL06.8120
DEERE (JDX)	LJDXL09.0114
DEERE (JDX)	LJDXL13.5132
DEERE (JDX)	LJDXL13.5146
FPT INDUSTRIAL S.P. (FPX)	LFPXL06.7DGB
FPT INDUSTRIAL S.P. (FPX)	LFPXL06.7DGS
FPT INDUSTRIAL S.P. (FPX)	LFPXL06.7LIM
FPT INDUSTRIAL S.P. (FPX)	LFPXL08.7TR3
FPT INDUSTRIAL S.P. (FPX)	LFPXL10.3TR3
FPT INDUSTRIAL S.P. (FPX)	LFPXL12.9IGR
KUKJE MACHINERY (KMC)	LKMCL3.41D43
LMB (LHA)	LLHAL103.ESP
LMB (LHA)	LLHAL45.0ESP
MERCEDES-BENZ (MBX)	LMBXL04.8RJC
MERCEDES-BENZ (MBX)	LMBXL07.2RJC
mitsubishi (MVX)	LMVXL03.3CBB
mitsubishi (MVX)	LMVXL24.5BBA
mitsubishi (MVX)	LMVXL33.9BBA
mitsubishi (MVX)	LMVXL37.1BBA
mitsubishi (MVX)	LMVXL49.0BBA
mitsubishi (MVX)	LMVXL65.4BBA

Manufacturer	Engine Families
MTU DD (MDD)	LMDDL14.0ZWK
MTU DD (MDD)	LMDDL21.0ZWR
MTU DD (MDD)	LMDDL35.8GRR
MTU DD (MDD)	LMDDL40.1GNR
MTU DD (MDD)	LMDDL95.4GTR
PERKINS (PKX)	LPKXL04.4NM1
PERKINS (PKX)	LPKXL04.4NM2
PERKINS (PKX)	LPKXL04.4NP1
PERKINS (PKX)	LPKXL04.4NR1
PERKINS (PKX)	LPKXL04.4NR2
PERKINS (PKX)	LPKXL07.0PW1
PERKINS (PKX)	LPKXL07.0PW2
VPX (VPX)	LVPXL16.1ACC
VPX (VPX)	LVPXL16.1ACG
VPX (VPX)	LVPXL16.1ACW
WEICHAH (WEH)	LWEHL52.3EMS

Model Year 2021 Engines

Manufacturer	Engine Families
CATERPILLAR (CPX)	MCPXL08.8NZS
CATERPILLAR (CPX)	MCPXL106.NZS
CATERPILLAR (CPX)	MCPXL12.5NYS
CATERPILLAR (CPX)	MCPXL15.2NYS
CATERPILLAR (CPX)	MCPXL15.2NZS
CATERPILLAR (CPX)	MCPXL18.1NYS
CATERPILLAR (CPX)	MCPXL18.1NZS
CATERPILLAR (CPX)	MCPXL27.0NZS
CATERPILLAR (CPX)	MCPXL32.0NZS
CATERPILLAR (CPX)	MCPXL78.1NZS
CMI (CEX)	MCEXL015.AAH
CMI (CEX)	MCEXL015.AAJ
CMI (CEX)	MCEXL019.AAD
CMI (CEX)	MCEXL023.AAB
CMI (CEX)	MCEXL0275AAG

Manufacturer	Engine Families
CMI (CEX)	MCEXL0275AAH
CMI (CEX)	MCEXL0275AAK
CMI (CEX)	MCEXL03.3BAA
CMI (CEX)	MCEXL030.AAD
CMI (CEX)	MCEXL0409AAC
CMI (CEX)	MCEXL050.AAD
CMI (CEX)	MCEXL0505AAE
CMI (CEX)	MCEXL0540AAB
CMI (CEX)	MCEXL060.AAD
CMI (CEX)	MCEXL0661AAH
CMI (CEX)	MCEXL13.0AAA
CMI (CEX)	MCEXL95.0AAA
DEERE (JDX)	MJDXL02.9142
DEERE (JDX)	MJDXL04.5119
DEERE (JDX)	MJDXL04.5141
DEERE (JDX)	MJDXL04.5214
DEERE (JDX)	MJDXL06.8120
DEERE (JDX)	MJDXL09.0114
DEERE (JDX)	MJDXL13.5132
DEERE (JDX)	MJDXL13.5146
FPT INDUSTRIAL S.P. (FPX)	MFPXL06.7DGB
FPT INDUSTRIAL S.P. (FPX)	MFPXL06.7DGS
FPT INDUSTRIAL S.P. (FPX)	MFPXL06.7LIM
FPT INDUSTRIAL S.P. (FPX)	MFPXL08.7TR3
FPT INDUSTRIAL S.P. (FPX)	MFPXL10.3TR3
FPT INDUSTRIAL S.P. (FPX)	MFPXL12.9IGR
KUKJE MACHINERY (KMC)	MKMCL3.41D43
LMB (LHA)	MLHAL103.ESP
LMB (LHA)	MLHAL45.0ESP
MAZDA (MVX)	MMVXL03.3CBB
MAZDA (MVX)	MMVXL24.5BBA
MAZDA (MVX)	MMVXL33.9BBA
MAZDA (MVX)	MMVXL37.1BBA
MAZDA (MVX)	MMVXL49.0BBA

Manufacturer	Engine Families
mitsubishi (MVX)	MMVXL65.4BBA
MTU DD (MDD)	MMDDL14.0ZWK
MTU DD (MDD)	MMDDL21.0ZWR
MTU DD (MDD)	MMDDL40.1GNR
MTU DD (MDD)	MMDDL95.4GTZ
PERKINS (PKX)	MPKXL04.4NM1
PERKINS (PKX)	MPKXL04.4NM2
PERKINS (PKX)	MPKXL04.4NP1
PERKINS (PKX)	MPKXL04.4NR1
PERKINS (PKX)	MPKXL04.4NR2
PERKINS (PKX)	MPKXL07.0PW1
PERKINS (PKX)	MPKXL07.0PW2
VPX (VPX)	MVPXL16.1ACC
VPX (VPX)	MVPXL16.1ACG
VPX (VPX)	MVPXL16.1ACW
WEICHAH (WEH)	MWEHL52.3EMS

Model Year 2022 Engines

Manufacturer	Engine Families
Caterpillar Inc.	NCPXL08.8NZS
Caterpillar Inc.	NCPXL106.NZS
Caterpillar Inc.	NCPXL12.5NYS
Caterpillar Inc.	NCPXL15.2NYS
Caterpillar Inc.	NCPXL15.2NZS
Caterpillar Inc.	NCPXL18.1NYS
Caterpillar Inc.	NCPXL18.1NZS
Caterpillar Inc.	NCPXL27.0NZS
Caterpillar Inc.	NCPXL32.0NZS
Caterpillar Inc.	NCPXL45.8NZS
Caterpillar Inc.	NCPXL78.1NZS
Cummins Inc.	NCEXL015.AAH
Cummins Inc.	NCEXL015.AAJ
Cummins Inc.	NCEXL019.AAD
Cummins Inc.	NCEXL023.AAB
Cummins Inc.	NCEXL0275AAG

Manufacturer	Engine Families
Cummins Inc.	NCEXL0275AAH
Cummins Inc.	NCEXL0275AAK
Cummins Inc.	NCEXL03.3BAA
Cummins Inc.	NCEXL030.AAD
Cummins Inc.	NCEXL0409AAB
Cummins Inc.	NCEXL0409AAC
Cummins Inc.	NCEXL0409AAD
Cummins Inc.	NCEXL050.AAD
Cummins Inc.	NCEXL0505AAE
Cummins Inc.	NCEXL0540AAB
Cummins Inc.	NCEXL060.AAD
Cummins Inc.	NCEXL0661AAH
Cummins Inc.	NCEXL13.0AAA
Cummins Inc.	NCEXL95.0AAA
Daimler Truck AG	NDTAL07.2RJC
Deere & Company	NJDXL02.9142
Deere & Company	NJDXL04.5119
Deere & Company	NJDXL04.5141
Deere & Company	NJDXL04.5214
Deere & Company	NJDXL06.8120
Deere & Company	NJDXL09.0114
Deere & Company	NJDXL13.5132
Deere & Company	NJDXL13.5146
HD Hyundai Infracore Co., Ltd.	NDICL21.9LBG
FPT Industrial S.p.A.	NFPXL06.7DGB
FPT Industrial S.p.A.	NFPXL06.7DGS
FPT Industrial S.p.A.	NFPXL06.7LIM
FPT Industrial S.p.A.	NFPXL08.7TR3
FPT Industrial S.p.A.	NFPXL10.3TR3
FPT Industrial S.p.A.	NFPXL12.9IGR
KUKJE MACHINERY CO., LTD	NKMCL3.41D43
Liebherr Machines Bulle SA	NLHAL103.ESP
Liebherr Machines Bulle SA	NLHAL45.0ESP
Mercedes Benz	NMBXL04.8RJC
Mercedes Benz	NMBXL07.2RJC

Manufacturer	Engine Families
Mitsubishi	NMVXL03.3AAJ
Mitsubishi	NMVXL03.3CBB
Mitsubishi	NMVXL24.5BBA
Mitsubishi	NMVXL33.9BBA
Mitsubishi	NMVXL37.1BBA
Mitsubishi	NMVXL49.0BBA
Mitsubishi	NMVXL65.4BBA
Rolls-Royce Solutions America Inc	NMDDL14.0ZWK
Rolls-Royce Solutions America Inc	NMDDL21.0ZWR
Rolls-Royce Solutions America Inc	NMDDL22.4ZWR
Rolls-Royce Solutions America Inc	NMDDL40.1GNR
Rolls-Royce Solutions America Inc	NMDDL95.4GTZ
Perkins Engines Co Ltd	NPKXL04.4NM1
Perkins Engines Co Ltd	NPKXL04.4NM2
Perkins Engines Co Ltd	NPKXL04.4NP1
Perkins Engines Co Ltd	NPKXL04.4NR1
Perkins Engines Co Ltd	NPKXL04.4NR2
Perkins Engines Co Ltd	NPKXL07.0PW1
Perkins Engines Co Ltd	NPKXL07.0PW2
VPX (VPX)	NVPXL07.7BDA
VPX (VPX)	NVPXL16.1ACC
VPX (VPX)	NVPXL16.1ACW
Weichai Power Co.,Ltd.	NWEHL52.3EMS

Model Year 2023 Engines

Manufacturer	Engine Families
Cummins Inc.	PCEXL015.AAH
Cummins Inc.	PCEXL015.AAJ
Cummins Inc.	PCEXL019.AAD
Cummins Inc.	PCEXL023.AAB
Cummins Inc.	PCEXL0275AAG
Cummins Inc.	PCEXL0275AAH
Cummins Inc.	PCEXL0275AAK
Cummins Inc.	PCEXL03.3BAA
Cummins Inc.	PCEXL030.AAD
Cummins Inc.	PCEXL0409AAB

Manufacturer	Engine Families
Cummins Inc.	PCEXL0409AAC
Cummins Inc.	PCEXL0409AAD
Cummins Inc.	PCEXL050.AAD
Cummins Inc.	PCEXL0505AAE
Cummins Inc.	PCEXL0540AAB
Cummins Inc.	PCEXL060.AAD
Cummins Inc.	PCEXL0661AAH
Cummins Inc.	PCEXL13.0AAA
Cummins Inc.	PCEXL95.0AAA
Caterpillar Inc.	PCPXL08.8NZS
Caterpillar Inc.	PCPXL106.NZS
Caterpillar Inc.	PCPXL12.5NYS
Caterpillar Inc.	PCPXL15.2NYS
Caterpillar Inc.	PCPXL15.2NZS
Caterpillar Inc.	PCPXL18.1NYS
Caterpillar Inc.	PCPXL18.1NZS
Caterpillar Inc.	PCPXL27.0NZS
Caterpillar Inc.	PCPXL32.0NZS
Caterpillar Inc.	PCPXL45.8NZS
Caterpillar Inc.	PCPXL78.1NZS
HD Hyundai Infracore Co., Ltd.	PDICL11.0LCG
HD Hyundai Infracore Co., Ltd.	PDICL21.9LBG
Daimler Truck AG	PDTAL07.2RJC
FPT Industrial S.p.A.	PFPXL06.7DGB
FPT Industrial S.p.A.	PFPXL06.7DGS
FPT Industrial S.p.A.	PFPXL06.7LIM
FPT Industrial S.p.A.	PFPXL08.7TR3
FPT Industrial S.p.A.	PFPXL10.3TR3
FPT Industrial S.p.A.	PFPXL12.9IGR
Deere & Company	PJDXL02.9142
Deere & Company	PJDXL04.5119
Deere & Company	PJDXL04.5141
Deere & Company	PJDXL04.5214
Deere & Company	PJDXL06.8120
Deere & Company	PJDXL09.0114

Manufacturer	Engine Families
Deere & Company	PJDXL13.5132
Deere & Company	PJDXL13.5146
Liebherr Machines Bulle SA	PLHAL103.E9P
Liebherr Machines Bulle SA	PLHAL103.ESP
Liebherr Machines Bulle SA	PLHAL18.0ESP
Liebherr Machines Bulle SA	PLHAL45.0ESP
Rolls-Royce Solutions America Inc	PMDDL14.0ZWK
Rolls-Royce Solutions America Inc	PMDDL21.0ZWR
Rolls-Royce Solutions America Inc	PMDDL22.4ZWR
Rolls-Royce Solutions America Inc	PMDDL40.1GNR
Rolls-Royce Solutions America Inc	PMDDL95.4GTZ
Societe Internationale des Moteurs-Baudouin	PMRBL109.EMS
Societe Internationale des Moteurs-Baudouin	PMRBL65.4EMS
Mitsubishi	PMVXL03.3AAJ
Mitsubishi	PMVXL03.3CBB
Mitsubishi	PMVXL24.5BBA
Mitsubishi	PMVXL33.9BBA
Mitsubishi	PMVXL37.1BBA
Mitsubishi	PMVXL49.0BBA
Mitsubishi	PMVXL65.4BBA
Perkins Engines Co Ltd	PPKXL04.4NM1
Perkins Engines Co Ltd	PPKXL04.4NM2
Perkins Engines Co Ltd	PPKXL04.4NP1
Perkins Engines Co Ltd	PPKXL04.4NR1
Perkins Engines Co Ltd	PPKXL04.4NR2
Perkins Engines Co Ltd	PPKXL07.0PW1
Perkins Engines Co Ltd	PPKXL07.0PW2
TYM Corporation	PTYCL3.41D43
AB Volvo Penta	PVPXL07.7BDA
AB Volvo Penta	PVPXL16.1ACC
AB Volvo Penta	PVPXL16.1ACW
Weichai Power Co.,Ltd.	PWEHL52.3EMS

Model Year 2024 Engines

Manufacturer	Engine Families
Cummins Inc.	RCEXL015.AAH

Manufacturer	Engine Families
Cummins Inc.	RCEXL015.AAJ
Cummins Inc.	RCEXL023.AAB
Cummins Inc.	RCEXL0275AAG
Cummins Inc.	RCEXL0275AAH
Cummins Inc.	RCEXL0275AAK
Cummins Inc.	RCEXL03.3BAA
Cummins Inc.	RCEXL030.AAD
Cummins Inc.	RCEXL0409AAB
Cummins Inc.	RCEXL0409AAC
Cummins Inc.	RCEXL0409AAD
Cummins Inc.	RCEXL050.AAD
Cummins Inc.	RCEXL0505AAE
Cummins Inc.	RCEXL0540AAB
Cummins Inc.	RCEXL060.AAD
Cummins Inc.	RCEXL0661AAH
Cummins Inc.	RCEXL13.0AAA
Cummins Inc.	RCEXL95.0AAA
Caterpillar Inc.	RCPXL08.8NZS
Caterpillar Inc.	RCPXL106.NZS
Caterpillar Inc.	RCPXL12.5NYS
Caterpillar Inc.	RCPXL15.2NZS
Caterpillar Inc.	RCPXL18.1NYS
Caterpillar Inc.	RCPXL18.1NZS
Caterpillar Inc.	RCPXL27.0NZS
Caterpillar Inc.	RCPXL32.1NZS
Caterpillar Inc.	RCPXL45.8NZS
Caterpillar Inc.	RCPXL78.1NZS
HD Hyundai Infracore Co., Ltd.	RDICL11.0LCG
HD Hyundai Infracore Co., Ltd.	RDICL21.9LBG
Daimler Truck AG	RDTAL07.2RJC
FPT Industrial S.p.A.	RFPXL06.7DGB
FPT Industrial S.p.A.	RFPXL06.7DGS
FPT Industrial S.p.A.	RFPXL06.7LIM
FPT Industrial S.p.A.	RFPXL08.7TR3
FPT Industrial S.p.A.	RFPXL10.3TR3

Manufacturer	Engine Families
FPT Industrial S.p.A.	RFPXL12.9IGR
Deere & Company	RJDXL02.9142
Deere & Company	RJDXL04.5119
Deere & Company	RJDXL04.5141
Deere & Company	RJDXL04.5214
Deere & Company	RJDXL06.8120
Deere & Company	RJDXL09.0114
Deere & Company	RJDXL13.5132
Deere & Company	RJDXL13.5146
Kubota Corporation	RKBXL03.6BAC
Liebherr Machines Bulle SA	RLHAL103.E9P
Liebherr Machines Bulle SA	RLHAL103.ESP
Liebherr Machines Bulle SA	RLHAL18.0ESP
Liebherr Machines Bulle SA	RLHAL45.0ESP
Rolls-Royce Solutions America Inc	RMDDL14.0ZWK
Rolls-Royce Solutions America Inc	RMDDL21.0ZWR
Rolls-Royce Solutions America Inc	RMDDL22.4ZWR
Rolls-Royce Solutions America Inc	RMDDL40.1GNR
Rolls-Royce Solutions America Inc	RMDDL95.4GTZ
Societe Internationale des Moteurs-Baudouin	RMRBL109.EMS
Societe Internationale des Moteurs-Baudouin	RMRBL65.4EMS
Mitsubishi	RMVXL03.3AAJ
Mitsubishi	RMVXL03.3CBB
Mitsubishi	RMVXL24.5BBA
Mitsubishi	RMVXL33.9BBA
Mitsubishi	RMVXL37.1BBA
Mitsubishi	RMVXL49.0BBA
Mitsubishi	RMVXL65.4BBA
Perkins Engines Co Ltd	RPKXL04.4NM1
Perkins Engines Co Ltd	PPKXL04.4NM2
Perkins Engines Co Ltd	RPKXL04.4NP1
Perkins Engines Co Ltd	RPKXL04.4NR1
Perkins Engines Co Ltd	RPKXL04.4NR2
Perkins Engines Co Ltd	RPKXL07.0PW1
Perkins Engines Co Ltd	RPKXL07.0PW2

Manufacturer	Engine Families
TYM Corporation	RTYCL3.41D43
AB Volvo Penta	RVPXL07.7BDA
AB Volvo Penta	RVPXL16.1ACC
AB Volvo Penta	RVPXL16.1ACW
AB Volvo Penta	RVPXL17.3ADA
Weichai Power Co.,Ltd.	RWEHL52.3EMS

Model Year 2025 Engines

Manufacturer	Engine Families
Cummins Inc.	SCEXL015.AAJ
Cummins Inc.	SCEXL023.AAB
Cummins Inc.	SCEXL0275AAK
Cummins Inc.	SCEXL03.3BAA
Cummins Inc.	SCEXL030.AAD
Cummins Inc.	SCEXL0409AAB
Cummins Inc.	SCEXL0409AAD
Cummins Inc.	SCEXL050.AAD
Cummins Inc.	SCEXL0540AAB
Cummins Inc.	SCEXL060.AAD
Cummins Inc.	SCEXL95.0AAA
Caterpillar Inc.	SCPXL08.8NZS
Caterpillar Inc.	SCPXL106.NZS
Caterpillar Inc.	SCPXL12.5NYS
Caterpillar Inc.	SCPXL15.2NZS
Caterpillar Inc.	SCPXL18.1NYS
Caterpillar Inc.	SCPXL18.1NZS
Caterpillar Inc.	SCPXL27.0NZS
Caterpillar Inc.	SCPXL32.1NZS
Caterpillar Inc.	SCPXL61.1NZS
Caterpillar Inc.	SCPXL78.1NZS
HD Hyundai Infracore Co., Ltd.	SDICL11.0LCG
HD Hyundai Infracore Co., Ltd.	SDICL15.1LBA
HD Hyundai Infracore Co., Ltd.	SDICL15.1LBG
HD Hyundai Infracore Co., Ltd.	SDICL21.9LBG
FPT Industrial S.p.A.	SFPXL06.7DGB
FPT Industrial S.p.A.	SFPXL06.7DGS

Manufacturer	Engine Families
FPT Industrial S.p.A.	SFPXL06.7LIM
FPT Industrial S.p.A.	SFPXL08.7TR3
FPT Industrial S.p.A.	SFPXL10.3TR3
FPT Industrial S.p.A.	SFPXL12.9IGR
Deere & Company	SJDXL02.9142
Deere & Company	SJDXL04.5119
Deere & Company	SJDXL04.5141
Deere & Company	SJDXL04.5214
Deere & Company	SJDXL06.8120
Deere & Company	SJDXL09.0114
Deere & Company	SJDXL13.5132
Deere & Company	SJDXL13.5146
Kubota Corporation	SKBXL03.6BAC
Liebherr Machines Bulle SA	SLHAL103.E9P
Liebherr Machines Bulle SA	SLHAL103.ESP
Liebherr Machines Bulle SA	SLHAL18.0ESP
Liebherr Machines Bulle SA	SLHAL45.0ESP
Rolls-Royce Solutions America Inc	SMDDL21.0ZWR
Rolls-Royce Solutions America Inc	SMDDL22.4ZWR
Rolls-Royce Solutions America Inc	SMDDL40.1GNR
Rolls-Royce Solutions America Inc	SMDDL95.4GTZ
Societe Internationale des Moteurs-Baudouin	SMRBL65.4EMS
Mitsubishi	SMVXL03.3AAJ
Mitsubishi	SMVXL03.3CBB
Mitsubishi	SMVXL24.5BBA
Mitsubishi	SMVXL33.9BBA
Mitsubishi	SMVXL37.1BBA
Mitsubishi	SMVXL49.0BBA
Mitsubishi	SMVXL65.4BBA
Perkins Engines Co Ltd	SPKXL04.4NM1
Perkins Engines Co Ltd	SPKXL04.4NP1
Perkins Engines Co Ltd	SPKXL04.4NR1
Perkins Engines Co Ltd	SPKXL07.0PW1
Perkins Engines Co Ltd	SPKXL07.0PW2
AB Volvo Penta	SVPXL07.7BDA

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Manufacturer	Engine Families
AB Volvo Penta	SVPXL16.1ACC
AB Volvo Penta	SVPXL16.1ACW
AB Volvo Penta	SVPXL17.3ADA
Weichai Power Co.,Ltd.	SWEHL52.3EMS