

**Attachment 1: Johnson Matthey CRT(+) Diesel Particulate Filter**

*Off-Road Certified Engine Family List (0 <= 0.2 g/bhp-hr PM) for Stationary Applications  
 CA/JMI/2008/PM3+/N00/ST/DPF01*

**Model Year 1996 Engines**

<b>Manufacturer</b>	<b>Engine Families</b>
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

**Model Year 1997 Engines**

<b>Manufacturer</b>	<b>Engine Families</b>
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
Generac	VGN13.R6DARA
Navistar	VNV466R6DASC
Navistar	VNV466R6DASD

<b>Manufacturer</b>	<b>Engine Families</b>
Navistar	VNV530R6DARB
Navistar	VNV530R6DASC
Navistar	VNV530R6DASD

**Model Year 1998 Engines**

<b>Manufacturer</b>	<b>Engine Families</b>
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	WDDXL09.0TFE
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

<b>Manufacturer</b>	<b>Engine Families</b>
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**

<b>Manufacturer</b>	<b>Engine Families</b>
AB Volvo Penta	XVPXL07.3ABB
AB Volvo Penta	XVPXL07.3ACB
AB Volvo Penta	XVPXL09.6ACB
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

<b>Manufacturer</b>	<b>Engine Families</b>
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	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

<b>Manufacturer</b>	<b>Engine Families</b>
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
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**

<b>Manufacturer</b>	<b>Engine Families</b>
AB Volvo Penta	YVPXL07.3ABB
AB Volvo Penta	YVPXL07.3ACB
AB Volvo Penta	YVPXL09.6ACB
AB Volvo Penta	YVPXL12.0ACB

<b>Manufacturer</b>	<b>Engine Families</b>
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
Cummins	YCEXL03.3AAA
Cummins	YCEXL03.3AAB
Cummins	YCEXL015.ABA
Cummins	YCEXL019.AAA
Cummins	YCEXL019.AAB
Cummins	YCEXL030.ABA
Cummins	YCEXL050.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

<b>Manufacturer</b>	<b>Engine Families</b>
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
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**

<b>Manufacturer</b>	<b>Engine Families</b>
AB Volvo Penta	1VPXL07.3ABB
AB Volvo Penta	1VPXL07.3ACB
AB Volvo Penta	1VPXL09.6ACB
AB Volvo Penta	1VPXL12.1ACB
Case	1X9XL0239ACA
Case	1X9XL0239ADA
Case	1X9XL0359ABA
Case	1X9XL0359ABB
Case	1X9XL0505ABA
Case	1X9XL0505ABB
Case	1X9XL0505ACA
Caterpillar	1CPXL07.0MRB
Caterpillar	1CPXL10.5MRD
Caterpillar	1CPXL10.5MRG
Caterpillar	1CPXL12.0ESK
Caterpillar	1CPXL14.6ERK
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

<b>Manufacturer</b>	<b>Engine Families</b>
Cummins	1CEXL0359ABD
Cummins	1CEXL050.AAA
Cummins	1CEXL050.ABA
Cummins	1CEXL0505ABA
Cummins	1CEXL0505ABB
Cummins	1CEXL0505ACA
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

<b>Manufacturer</b>	<b>Engine Families</b>
Deere	1JDXL08.1037
Deutz	1DZXL02.7014
Deutz	1DZXL02.7015
Deutz	1DZXL04.8006
Deutz	1DDXL08.5TJD
Deutz	1DDXL08.5YJD
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**

<b>Manufacturer</b>	<b>Engine Families</b>
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	2CPXL14.6ESK
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
Cummins	2CEXL0505ACB
Cummins	2CEXL0505ACE

<b>Manufacturer</b>	<b>Engine Families</b>
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	2JDXL06.8038
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
Daewoo	2DWXL03.3LMN
Daewoo	2DWXL05.8AOA
Daewoo	2DWXL05.8ARN
Daewoo	2DWXL11.1BIA
Daewoo	2DWXL14.6CVT
Daewoo	2DWXL21.9AYA
Generac	2GNXL04.0HAA

<b>Manufacturer</b>	<b>Engine Families</b>
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
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

<b>Manufacturer</b>	<b>Engine Families</b>
AB Volvo Penta	2VPXL12.1ABA
AB Volvo Penta	2VPXL12.1ACA
AB Volvo Penta	2VPXL12.1ACB
VM Motori	2V5XL02.8R2T

**Model Year 2003 Engines**

<b>Manufacturer</b>	<b>Engine Families</b>
Caterpillar	3CPXL12.0ESK
Caterpillar	3CPXL14.6ESK
Caterpillar	3CPXL15.8ESK
Caterpillar	3CPXL18.0HRX
Caterpillar	3CPXL27.0HRK
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
Cummins	3CEXL0239AAD
Cummins	3CEXL0239AAF
Cummins	3CEXL0275AAA
Cummins	3CEXL0275AAB
Cummins	3CEXL030.ABA
Cummins	3CEXL0359AAB
Cummins	3CEXL0359AAC
Cummins	3CEXL0359ABC
Cummins	3CEXL0359ABE
Cummins	3CEXL050.ABA
Cummins	3CEXL0505ABD

<b>Manufacturer</b>	<b>Engine Families</b>
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	3JDXL06.8038
Deere	3JDXL06.8039
Deere	3JDXL06.8041
Deere	3JDXL06.8044
Deere	3JDXL06.8048
Deere	3JDXL06.8049
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

<b>Manufacturer</b>	<b>Engine Families</b>
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
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**

<b>Manufacturer</b>	<b>Engine Families</b>
Caterpillar	4CPXL12.0ESK
Caterpillar	4CPXL14.6ESK
Caterpillar	4CPXL15.8ERK
Caterpillar	4CPXL15.8ESK
Caterpillar	4CPXL18.0ESK
Caterpillar	4CPXL18.0HRX
Caterpillar	4CPXL27.0HRK
Caterpillar	4CPXL27.0MRS
Caterpillar	4CPXL27.0MRT
Caterpillar	4CPXL34.5ERK
Caterpillar	4CPXL58.6ERK
Caterpillar	4CPXL78.1ERK
CNH Engine Corp.	4X9XL0239AAC
CNH Engine Corp.	4X9XL0359AAK
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

<b>Manufacturer</b>	<b>Engine Families</b>
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
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

<b>Manufacturer</b>	<b>Engine Families</b>
Daewoo	4DWXL05.8COA
Daewoo	4DWXL05.8CRN
Daewoo	4DWXL08.1CPA
Daewoo	4DWXL11.1BIA
Daewoo	4DWXL11.1DJA
Daewoo	4DWXL18.3ASC
Daewoo	4DWXL2.37ANT
Daewoo	4DWXL21.9AYA
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

<b>Manufacturer</b>	<b>Engine Families</b>
MOTOREN FABRIK HATZ	4HZXL3.43C42
MOTOREN FABRIK HATZ	4HZXL3.43V42
Mitsubishi Heavy Ind.	4MVXL05.0AAA
Mitsubishi Heavy Ind.	4MVXL05.0AAD
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

<b>Manufacturer</b>	<b>Engine Families</b>
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**

<b>Manufacturer</b>	<b>Engine Families</b>
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
Cummins	5CEXL0275AAC
Cummins	5CEXL0275AAF
Cummins	5CEXL03.3ABA

<b>Manufacturer</b>	<b>Engine Families</b>
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
Deere	5JDXL06.8038
Deere	5JDXL06.8041
Deere	5JDXL06.8048
Deere	5JDXL06.8049
Deere	5JDXL06.8078
Deere	5JDXL06.8101
Deere	5JDXL08.1037

<b>Manufacturer</b>	<b>Engine Families</b>
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
MOTOREN FABRIK 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
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

<b>Manufacturer</b>	<b>Engine Families</b>
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
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

<b>Manufacturer</b>	<b>Engine Families</b>
Yanmar	5YDXL3.05M4N
Yanmar	5YDXL3.32J4N
Yanmar	5YDXL3.32J4T
Yanmar	5YDXL3.32K4N
Yanmar	5YDXL3.32K4T
Yanmar	5YDXL4.41K4T

**Model Year 2006 Engines**

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

<b>Manufacturer</b>	<b>Engine Families</b>
Cummins	6CEXL030.AAB
Cummins	6CEXL030.AAD
Cummins	6CEXL030.ABA
Cummins	6CEXL03.3ABC
Cummins	6CEXL0359AAB
Cummins	6CEXL0359AAC
Cummins	6CEXL0359AAD
Cummins	6CEXL0359AAF
Cummins	6KLXL0359AAL
Cummins	6CEXL0359AAN
Cummins	6CEXL0359ABC
Cummins	6CEXL0359ABE
Cummins	6CEXL0409AAB
Cummins	6CEXL0409AAC
Cummins	6CEXL050.AAD
Cummins	6CEXL050.ABA
Cummins	6CEXL0505ABD
Cummins	6CEXL0540AAB
Cummins	6CEXL060.AAD
Cummins	6CEXL078.AAB
DAIMLER CHRYSLER	6MBXL7.20RJA
Deere	6JDXL03.0064
Deere	6JDXL04.5057
Deere	6JDXL04.5083
Deere	6JDXL06.8038
Deere	6JDXL06.8041
Deere	6JDXL06.8048
Deere	6JDXL06.8049
Deere	6JDXL06.8078
Deere	6JDXL08.1037
Deere	6JDXL09.0102
Deere	6JDXL12.5035
Deere	6JDXL12.5073
Detroit Diesel Corporation	6DDXL14.0VLD
Detroit Diesel Corporation	6DDXL31.8XRR
Deutz	6DZXL06.1038
Deutz	6DZXL06.1028

<b>Manufacturer</b>	<b>Engine Families</b>
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
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

<b>Manufacturer</b>	<b>Engine Families</b>
Mitsubishi Heavy Industries	6MVXL06.4EEE
MOTOREN FABRIK HATZ GMBH	6HZXL3.43C42
MOTOREN FABRIK HATZ GMBH	6HZXL3.43V42
Nissan	6NDXL03.0FTA
VMMI	6V5XL04.2G5V
Yanmar	6YDXL3.32J4T
Yanmar	6YDXL3.32K4T
Yanmar	6YDXL4.41K4T

**Model Year 2007 Engines**

<b>Manufacturer</b>	<b>Engine Families</b>
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	7CPXL32.0ESK
Caterpillar	7CPXL51.8E2W
Caterpillar	7CPXL78.1ERK
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

<b>Manufacturer</b>	<b>Engine Families</b>
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
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
DAIMLER CHRYSLER	7MBXL12.8RJB
DAIMLER CHRYSLER	7MBXL15.9RJA

<b>Manufacturer</b>	<b>Engine Families</b>
Deere	7JDXL03.0064
Deere	7JDXL04.5075
Deere	7JDXL04.5076
Deere	7JDXL04.5081
Deere	7JDXL04.5083
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	7DDXL14.0VLD
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

<b>Manufacturer</b>	<b>Engine Families</b>
Deutz	7DZXL07.1055
Deutz	7DZXL15.9065
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
IVECO	7VEXL06.7DTC
IVECO	7VEXL08.7TR3

<b>Manufacturer</b>	<b>Engine Families</b>
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	7KLXL11.0DD6
Komatsu	7KLXL15.2ED6
Komatsu	7klxl15.2ED6
Komatsu	7KLXL15.2ED7
Komatsu	7KLXL23.2FD6
Komatsu	7KLXL30.5GD3
Kubota	7KBXL02.0FAD
Kubota	7KBXL02.4HCD
Kubota	7KBXL03.3BAC
Kubota	7KBXL03.3BAD
Kubota	7KBXL03.3BBD
Kubota	7KBXL03.3BCC
Kubota	7KBXL03.3BCD

<b>Manufacturer</b>	<b>Engine Families</b>
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
MOTOREN FABRIK HATZ GMBH	7HZXL2.57C41
MOTOREN FABRIK HATZ GMBH	7HZXL3.43C42
MOTOREN FABRIK HATZ GMBH	7HZXL3.43V42
MTU Detroit Diesel Inc.	7MDDL31.8XRR
Nissan	7NDXL02.7TNA
Nissan	7NDXL03.0FTA
Nissan	7NDXL03.2TNA
Perkins Engines	7PKXL03.3DC1
Perkins Engines	7PKXL03.3DD1
Perkins Engines	7PKXL04.4NH1
Perkins Engines	7PKXL04.4NJ1
Perkins Engines	7PKXL04.4RE1
Perkins Engines	7PKXL04.4RF1
Perkins Engines	7PKXL06.6PJ1
Perkins Engines	7PKXL06.6PJ2
Perkins Engines	7PKXL15.2TA2

<b>Manufacturer</b>	<b>Engine Families</b>
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

**Model Year 2008 Engines**

<b>Manufacturer</b>	<b>Engine Families</b>
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

<b>Manufacturer</b>	<b>Engine Families</b>
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
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

<b>Manufacturer</b>	<b>Engine Families</b>
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
Cummins	8CEXL0661AAG
Cummins	8CEXL0661AAH
Cummins	8CEXL0661AAJ
Cummins	8CEXL078.AAA
Cummins	8CEXL078.AAB
Cummins	8CEXL2.28A41
DAIMLER CHRYSLER	8MBXL07.2RJA
DAIMLER CHRYSLER	8MBXL12.8RJB
DAIMLER CHRYSLER	8MBXL15.9RJA
Detroit Diesel	8DDXL14.0VLD
Deutz	8DZXL02.3099
Deutz	8DZXL02.7096
Deutz	8DZXL03.2088
Deutz	8DZXL03.6081
Deutz	8DZXL03.6082
Deutz	8DZXL03.6084

<b>Manufacturer</b>	<b>Engine Families</b>
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
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

<b>Manufacturer</b>	<b>Engine Families</b>
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
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

<b>Manufacturer</b>	<b>Engine Families</b>
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
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

<b>Manufacturer</b>	<b>Engine Families</b>
Komatsu	8KLXL15.2ED6
Komatsu	8KLXL15.2ED7
Komatsu	8KLXL23.2FD5
Komatsu	8KLXL23.2FD6
Komatsu	8KLXL23.2FD7
Komatsu	8KLXL30.5GD3
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

<b>Manufacturer</b>	<b>Engine Families</b>
MAHINDRA & MAHINDRA	8MMLL02.5N52
MAHINDRA & MAHINDRA	8MMLL02.5N57
MAHINDRA & MAHINDRA	8MMLL02.5N59
MAHINDRA & MAHINDRA	8MMLL02.5N62
MAHINDRA & MAHINDRA	8MMLL02.5N64
MAHINDRA & MAHINDRA	8MMLL02.7M30
MAHINDRA & MAHINDRA	8MMLL03.3N75
MAHINDRA & MAHINDRA	8MMLL03.3N79
MOTOREN FABRIK	8HZXL3.43C42
MOTOREN FABRIK	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
Yanmar	8YDXL3.32M4N
Yanmar	8YDXL3.32M4T

**Model Year 2009 Engines**

<b>Manufacturer</b>	<b>Engine Families</b>
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
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	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
CNH UK LTD	9NHXL04.5DAA

<b>Manufacturer</b>	<b>Engine Families</b>
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
Cummins	9CEXL050.AAA
Cummins	9CEXL050.AAC
Cummins	9CEXL050.AAD
Cummins	9CEXL050.AAF
Cummins	9CEXL050.ABA
Cummins	9CEXL0505AAE
Cummins	9CEXL0540AAB
Cummins	9CEXL0540AAD

<b>Manufacturer</b>	<b>Engine Families</b>
Cummins	9CEXL060.AAB
Cummins	9CEXL060.AAD
Cummins	9CEXL0661AAF
Cummins	9CEXL0661AAG
Cummins	9CEXL0661AAH
Cummins	9CEXL0661AAJ
Cummins	9CEXL078.AAA
Cummins	9CEXL2.28A41
Detroit Diesel	9DDXL14.0WLD
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
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

<b>Manufacturer</b>	<b>Engine Families</b>
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
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

<b>Manufacturer</b>	<b>Engine Families</b>
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
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

<b>Manufacturer</b>	<b>Engine Families</b>
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
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

<b>Manufacturer</b>	<b>Engine Families</b>
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
Mitsubishi	9MVXL37.1BBA
Mitsubishi	9MVXL49.0BBA
Mitsubishi	9MVXL65.4BBA
MOTOREN FABRIK	9HZXL2.57C41
MOTOREN FABRIK	9HZXL2.57V41
MOTOREN FABRIK	9HZXL3.43C42
MOTOREN FABRIK	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	9PKXL15.2TAG
Perkins Engines	9PKXL18.1TAG
Scania	9Y9XL11.7BBA
Scania	9Y9XL11.7BBB
Scania	9Y9XL15.6BDE
TOYOTA INDUSTRIAL	9TALL02.51DZ

<b>Manufacturer</b>	<b>Engine Families</b>
Yanmar	9YDXL2.00N4T
Yanmar	9YDXL3.05K4N
Yanmar	9YDXL3.32C4N
Yanmar	9YDXL3.32C4T
Yanmar	9YDXL3.32M4N
Yanmar	9YDXL3.32M4T

**Model Year 2010 Engines**

<b>Manufacturer</b>	<b>Engine Families</b>
AB Volvo Penta	AVPXL16.1ACB
AB Volvo Penta	AVPXL16.1ACG
AB Volvo Penta	AVPXL16.1ACW
Caterpillar	ACPXL08.8ESX
Caterpillar	ACPXL12.5ESK
Caterpillar	ACPXL15.2ELW
Caterpillar	ACPXL15.2ESW
Caterpillar	ACPXL15.2ESX
Caterpillar	ACPXL18.1ESW
Caterpillar	ACPXL27.0ESW
Caterpillar	ACPXL27.0ESX
Caterpillar	ACPXL32.0ESW
Caterpillar	ACPXL32.0ESX
Caterpillar	ACPXL34.5T2C
Caterpillar	ACPXL34.5T2E
Caterpillar	ACPXL58.6T2E
Caterpillar	ACPXL58.6T2X
Caterpillar	ACPXL58.6T2Y
Caterpillar	ACPXL78.1T2E
Caterpillar	ACPXL78.1T2X
Caterpillar	ACPXL78.1T2Y
Caterpillar	ACPXL106.T2E
Cummins	ACEXL03.3ACD
Cummins	ACEXL03.3ACE
Cummins	ACEXL015.AAJ
Cummins	ACEXL023.AAA

<b>Manufacturer</b>	<b>Engine Families</b>
Cummins	ACEXL023.AAB
Cummins	ACEXL030.AAD
Cummins	ACEXL050.AAD
Cummins	ACEXL050.ABA
Cummins	ACEXL060.AAD
Cummins	ACEXL060.AAE
Cummins	ACEXL0275AAG
Cummins	ACEXL0275AAK
Cummins	ACEXL0409AAB
Cummins	ACEXL0409AAC
Cummins	ACEXL0409AAD
Cummins	ACEXL0540AAB
Cummins	ACEXL0540AAC
Cummins	ACEXL0540AAD
Cummins	ACEXL0505AAE
Cummins	ACEXL0661AAG
Detroit Diesel	ADDXL14.0WLD
Deutz	ADZXL07.1052
Doosan Infracore	ADICL21.9UYA
Doosan Infracore	ADICL18.3USA
IVECO	AVEXL06.7DGB
IVECO	AVEXL06.7DGS
IVECO	AVEXL08.7TR3
IVECO	AVEXL10.3MLR
IVECO	AVEXL10.3TR3
IVECO	AVEXL12.9IGR
IVECO	AVEXL12.9MLR
IVECO	AVEXL12.9TCD
IVECO	AVEXL20.1DSL
JCB Power	AJCBL04.4TA7
JCB Power	AJCBL04.4TC6
John Deere	AJDXL06.8049
John Deere	AJDXL08.1037
John Deere	AJDXL03.0206
John Deere	AJDXL03.0064

<b>Manufacturer</b>	<b>Engine Families</b>
John Deere	AJDXL03.0203
John Deere	AJDXL02.4207
John Deere	AJDXL04.5083
John Deere	AJDXL09.0114
John Deere	AJDXL04.5107
John Deere	AJDXL06.8078
John Deere	AJDXL06.8106
John Deere	AJDXL06.8104
John Deere	AJDXL03.0113
John Deere	AJDXL08.1037
Komatsu	AKLXL03.3JA6
Komatsu	AKLXL03.3JB6
Komatsu	AKLXL23.2FD5
Komatsu	AKLXL30.5GD3
Komatsu	AKLXL0275AAG
Komatsu	AKLXL0409AAB
Komatsu	AKLXL0409AAC
Komatsu	AKLXL0505AAE
Kukje Machinery	AKMCL2.39A44
Mitsubishi	AMVXL04.2CCC
Mitsubishi	AMVXL24.5BBA
Mitsubishi	AMVXL33.9BBA
Mitsubishi	AMVXL37.1BBA
Mitsubishi	AMVXL49.0BBA
Mitsubishi	AMVXL65.4BBA
Mitsubishi	AMVXL65.4BBB
MTU	AMDDL14.0GWK
MTU	AMDDL95.4XTR
MTU	AMDDL31.8XRR
MTU	AMDDL35.8GRR
MTU	AMDDL21.0GWR
Perkins Engines	APKXL04.4NJ1
Perkins Engines	APKXL06.6PJ2
Perkins Engines	APKXL12.5TAG
Perkins Engines	APKXL15.2TA2

<b>Manufacturer</b>	<b>Engine Families</b>
Perkins Engines	APKXL15.2TAG
Perkins Engines	APKXL18.1TAG
SCANIA	AY9XL11.7BBA
SCANIA	AY9XL11.7BBB
SCANIA	AY9XL15.6BDE
VM Motori	AV5XL04.5T60
Yanmar	AYDXL3.32R4N

### **Model Year 2011 Engines**

<b>Manufacturer</b>	<b>Engine Families</b>
AGCO Sisu Power	BSIDL07.4G4E
AGCO Sisu Power	BSIDL07.4G5C
Caterpillar	BCPXL08.8NZS
Caterpillar	BCPXL11.1ESK
Caterpillar	BCPXL12.5ESK
Caterpillar	BCPXL15.2ESW
Caterpillar	BCPXL15.2NYS
Caterpillar	BCPXL15.2NZS
Caterpillar	BCPXL18.1ESK
Caterpillar	BCPXL18.1NYS
Caterpillar	BCPXL18.1NZS
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.	BNHXL06.7DCA
CNH UK LTD.	BNHXL06.7DCB
CNH UK LTD.	BNHXL06.7DCC
Cummins	BCEXL03.3ACA
Cummins	BCEXL03.3ACB
Cummins	BCEXL03.3ACD
Cummins	BCEXL03.3ACE
Cummins	BCEXL015.AAJ

<b>Manufacturer</b>	<b>Engine Families</b>
Cummins	BCEXL030.AAD
Cummins	BCEXL0409AAC
Cummins	BCEXL050.AAC
Cummins	BCEXL050.AAD
Cummins	BCEXL060.AAB
Cummins	BCEXL060.AAD
Cummins	BCEXL050.AAC
Cummins	BCEXL0275AAG
Cummins	BCEXL0275AAH
Cummins	BCEXL0540AAB
Hyundai Motor Co	BHYXL03.9TDI
Ishikawajima Shibaura	BH3XL2.22N4L
IHI Shibaura Machinery Corporation	BH3XL2.00N4T
Iveco	BVEXL03.2TAI
Iveco	BVEXL03.2TCI
Iveco	BVEXL04.5DAA
Iveco	BVEXL04.5DAB
Iveco	BVEXL04.5DCA
Iveco	BVEXL06.7DAA
Iveco	BVEXL06.7DCA
Iveco	BVEXL06.7DCB
Iveco	BVEXL06.7DCC
Iveco	BVEXL08.7TR3
JCB Power Systems	BJCBL04.4TAE
JCB Power Systems	BJCBL04.4TA7
JCB Power Systems	BJCBL04.4TA8
JCB Power Systems	BJCBL04.4TC6
John Deere Power Systems	BJDXL02.9050
John Deere Power Systems	BJDXL03.0064
John Deere Power Systems	BJDXL03.0113
John Deere Power Systems	BJDXL03.0203
John Deere Power Systems	BJDXL03.0206
John Deere Power Systems	BJDXL03.0208
John Deere Power Systems	BJDXL04.5107
John Deere Power Systems	BJDXL06.8078

<b>Manufacturer</b>	<b>Engine Families</b>
John Deere Power Systems	BJDXL06.8104
John Deere Power Systems	BJDXL06.8105
John Deere Power Systems	BJDXL06.8106
John Deere Power Systems	BJDXL06.8117
Komatsu Ltd	BKLXL03.3JA6
Komatsu Ltd	BKLXL03.3JB6
Komatsu Ltd	BKLXL03.3JD6
Komatsu Ltd	BKLXL03.3JD7
Komatsu Ltd	BKLXL03.3JD9
Komatsu Ltd	BKLXL050.AAC
Komatsu Ltd	BKLXL0275AAG
Komatsu Ltd	BKLXL0275AAH
Komatsu Ltd	BKLXL0409AAC
Kubota	BKBXL02.4HAD
Kubota	BKBXL03.6BCD
Kukje	BKMCL2.28A41
Kukje	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	BMVXL04.2CCC
Mitsubishi Heavy Industries	BMVXL05.0AAD
Mitsubishi Heavy Industries	BMVXL05.0AAG
Mitsubishi Heavy Industries	BMVXL06.4FFF
MTU	BMDDL14.0ZWK
MTU	BMDDL21.0ZWR
MTU	BMDDL31.8XRR
MTU	BMDDL35.8GRR
MTU	BMDDL95.4XTR
Perkins	BPKXL04.4NJ1
Perkins	BPKXL04.4NJ2
Perkins	BPKXL04.4NM1
Perkins	BPKXL04.4NM2

<b>Manufacturer</b>	<b>Engine Families</b>
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**

<b>Manufacturer</b>	<b>Engine Families</b>
Caterpillar	CCPXL11.1ESK
Caterpillar	CCPXL12.5ESK
Caterpillar	CCPXL15.2ESW
Caterpillar	CCPXL18.1ESK
Caterpillar	CCPXL08.8ESJ
Caterpillar	CCPXL07.2ESJ
Caterpillar	CCPXL11.1ESJ
Caterpillar	CCPXL12.5ESJ
Caterpillar	CCPXL15.2ESJ
Caterpillar	CCPXL18.1ESJ
Caterpillar	CCPXL27.0NZS
Caterpillar	CCPXL08.8NZS
Caterpillar	CCPXL15.2NYS
Caterpillar	CCPXL18.1NZS
Caterpillar	CCPXL32.0NZS
Caterpillar	CCPXL15.2NZS
Caterpillar	CCPXL18.1NYS
Caterpillar	CCPXL78.1NZS
Caterpillar	CCPXL106.NZS
Cummins	CCEXL0275AAK
Cummins	CCEXL0409AAD
Cummins	CCEXL0275AAG
Cummins	CCEXL0409AAB
Cummins	CCEXL0409AAC
Cummins	CCEXL030.AAD

<b>Manufacturer</b>	<b>Engine Families</b>
Cummins	CCEXL0540AAB
Cummins	CCEXL050.AAD
Cummins	CCEXL015.AAH
Cummins	CCEXL0505AAE
Cummins	CCEXL015.AAJ
Cummins	CCEXL019.AAD
Cummins	CCEXL023.AAB
Cummins	CCEXL03.3ACE
Cummins	CCEXL15.0AAI
DETROIT DIESEL	CDDXL14.0WLD
DOOSAN	CDICL21.9UYA
DOOSAN	CDICL18.3USA
FPT INDUSTRIAL	CFPXL06.7DGB
FPT INDUSTRIAL	CFPXL06.7DGS
FPT INDUSTRIAL	CFPXL08.7TR3
FPT INDUSTRIAL	CFPXL10.3TR3
FPT INDUSTRIAL	CFPXL03.2TAI
John Deere Power Systems	CJDXL03.0203
John Deere Power Systems	CJDXL04.5141
John Deere Power Systems	CJDXL06.8120
John Deere Power Systems	CJDXL09.0114
John Deere Power Systems	CJDXL09.0140
John Deere Power Systems	CJDXL03.0113
John Deere Power Systems	CJDXL13.5103
John Deere Power Systems	CJDXL04.5119
John Deere Power Systems	CJDXL04.5107
John Deere Power Systems	CJDXL13.5132
Komatsu Ltd	CKLXL03.3JA6
Komatsu Ltd	CKLXL23.2FD5
Komatsu Ltd	CKLXL03.3JD9
Kubota	CKBXL03.6BCD
KUKJE MACHINERY	CKMCL3.41D43
Mitsubishi Fuso Truck	CMFTL02.8M4B
MTU DD	CMDDL57.2XTC
MTU DD	CMDDL31.8XRR

<b>Manufacturer</b>	<b>Engine Families</b>
MTU DD	CMDDL35.8GRR
MTU DD	CMDDL14.0ZWK
MTU DD	CMDDL21.0ZWR
MTU DD	CMDDL95.4XTR
PERKINS	CPKXL06.6PJ2
PERKINS	CPKXL04.4NH1
PERKINS	CPKXL04.4NJ1
PERKINS	CPKXL12.5TAG
PERKINS	CPKXL15.2TA2
PERKINS	CPKXL18.1TAG
PERKINS	CPKXL15.2TAG
PERKINS	CPKXL06.6PJ3

**Model Year 2013 Engines**

<b>Manufacturer</b>	<b>Engine Families</b>
AB Volvo Penta	DVPXL16.1ACB
AB Volvo Penta	DVPXL16.1ACG
AB Volvo Penta	DVPXL16.1ACW
Caterpillar	DCPXL07.2ESJ
Caterpillar	DCPXL08.8ESJ
Caterpillar	DCPXL08.8Nzs
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
Caterpillar	DCPXL106.Nzs
Cummins	DCEXL015.AAH
Cummins	DCEXL015.AAJ
Cummins	DCEXL15.0AAI

<b>Manufacturer</b>	<b>Engine Families</b>
Cummins	DCEXL019.AAD
Cummins	DCEXL023.AAB
Cummins	DCEXL0275AAG
Cummins	DCEXL0275AAK
Cummins	DCEXL030.AAD
Cummins	DCEXL0409AAB
Cummins	DCEXL0409AAC
Cummins	DCEXL0409AAD
Cummins	DCEXL050.AAD
Cummins	DCEXL0505AAE
Cummins	DCEXL0540AAB
Cummins	DCEXL060.AAD
Detroit Diesel	DDDXL14.0WLD
DEUTZ	DDZXL07.1028
DEUTZ	DDZXL07.1031
DEUTZ	DDZXL07.1032
Doosan	DDICL18.3USA
Doosan	DDICL21.9UYA
FPT Industrial	DFPXL06.7DGB
FPT Industrial	DFPXL06.7DGS
FPT Industrial	DFPXL08.7TR3
FPT Industrial	DFPXL10.3TR3
John Deere Power Systems	DJDXL04.5119
John Deere Power Systems	DJDXL04.5141
John Deere Power Systems	DJDXL04.5214
John Deere Power Systems	DJDXL06.8104
John Deere Power Systems	DJDXL06.8106
John Deere Power Systems	DJDXL06.8115
John Deere Power Systems	DJDXL06.8120
John Deere Power Systems	DJDXL09.0114
John Deere Power Systems	DJDXL13.5103
John Deere Power Systems	DJDXL13.5132
Komatsu Ltd	DKLXL23.2FD5
Mitsubishi	DMVXL33.9BBA
Mitsubishi	DMVXL37.1BBA

<b>Manufacturer</b>	<b>Engine Families</b>
Mitsubishi	DMVXL49.0BBA
Mitsubishi	DMVXL65.4BBA
Mitsubishi	DMVXL65.4BBB
MTU DD	DMDDL14.0ZWK
MTU DD	DMDDL21.0ZWR
MTU DD	DMDDL31.8XRR
MTU DD	DMDDL35.7XNC
MTU DD	DMDDL35.8GRR
MTU DD	DMDDL57.2XTC
MTU DD	DMDDL95.4XTR
Perkins	DPKXL04.4NJ1
Perkins	DPKXL04.4NH1
Perkins	DPKXL06.6PJ1
Perkins	DPKXL06.6PJ2
Perkins	DPKXL06.6PJ3
Perkins	DPKXL12.5TAG
Perkins	DPKXL15.2TA2
Perkins	DPKXL15.2TAG
Perkins	DPKXL18.1TAG

**Model Year 2014 Engines**

<b>Manufacturer</b>	<b>Engine Families</b>
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

<b>Manufacturer</b>	<b>Engine Families</b>
Cummins	ECEXL023.AAB
Cummins	ECEXL0275AAG
Cummins	ECEXL0275AAH
Cummins	ECEXL0275AAK
Cummins	ECEXL03.3ACF
Cummins	ECEXL03.3ACG
Cummins	ECEXL03.3ACH
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 Systems	EJDXL04.5119
John Deere Power Systems	EJDXL04.5141
John Deere Power Systems	EJDXL04.5214
John Deere Power Systems	EJDXL06.8105
John Deere Power Systems	EJDXL06.8120
John Deere Power Systems	EJDXL09.0114
John Deere Power Systems	EJDXL13.5132
John Deere Power Systems	EJDXL13.5146
Detroit Diesel	EDDXL14.0WLD
Doosan	EDICL18.3USA
Doosan	EDICL21.9UYA
FPT Industrial	EFPXL06.7DGB
FPT Industrial	EFPXL06.7DGS
FPT Industrial	EFPXL08.7TR3
FPT Industrial	EFPXL10.3TR3
IHI Shibaura Machinery Corporation	EH3XL2.22N4L
Komatsu Ltd	EKLXL060.AAE

<b>Manufacturer</b>	<b>Engine Families</b>
Komatsu Ltd	EKLXL23.2FD5
KUKJE MACHINERY	EKMCL3.41D43
Mitsubishi	EMVXL24.5BBA
Mitsubishi	EMVXL33.9BBA
Mitsubishi	EMVXL37.1BBA
Mitsubishi	EMVXL49.0BBA
Mitsubishi	EMVXL65.4BBA
Mitsubishi	EMVXL65.4BBB
MTU DD	EMDDL14.0ZWK
MTU DD	EMDDL21.0ZWR
MTU DD	EMDDL31.8XRR
MTU DD	EMDDL35.8GRR
MTU DD	EMDDL95.4XTR
Perkins	EPKXL04.4NH1
Perkins	EPKXL04.4NH3
Perkins	EPKXL04.4NJ2
Perkins	EPKXL04.4NJ3
Perkins	EPKXL04.4NM1
Perkins	EPKXL04.4NM2
Perkins	EPKXL06.6PJ1
Perkins	EPKXL06.6PJ2
Perkins	EPKXL07.0PW1
AB Volvo Penta	EVPXL16.1ACB
AB Volvo Penta	EVPXL16.1ACG
AB Volvo Penta	EVPXL16.1ACW

**Model Year 2015 Engines**

<b>Manufacturer</b>	<b>Engine Families</b>
Caterpillar	FCPXL08.8NZS
Caterpillar	FCPXL106.NZS
Caterpillar	FCPXL12.5NYS
Caterpillar	FCPXL15.2NYS
Caterpillar	FCPXL15.2NZS
Caterpillar	FCPXL18.1NYS
Caterpillar	FCPXL18.1NZS

<b>Manufacturer</b>	<b>Engine Families</b>
Caterpillar	FCPXL27.0NZS
Caterpillar	FCPXL32.0NZS
Caterpillar	FCPXL78.1NZS
Cummins	FCEXL015.AAH
Cummins	FCEXL015.AAJ
Cummins	FCEXL019.AAD
Cummins	FCEXL023.AAB
Cummins	FCEXL0275AAG
Cummins	FCEXL0275AAH
Cummins	FCEXL0275AAK
Cummins	FCEXL030.AAD
Cummins	FCEXL0409AAB
Cummins	FCEXL0409AAC
Cummins	FCEXL0409AAD
Cummins	FCEXL050.AAD
Cummins	FCEXL0505AAE
Cummins	FCEXL0540AAB
Cummins	FCEXL060.AAD
Cummins	FCEXL0661AAH
Cummins	FCEXL13.0AAA
Cummins	FCEXL95.0AAA
John Deere Power Systems	FJDXL04.5119
John Deere Power Systems	FJDXL04.5141
John Deere Power Systems	FJDXL04.5212
John Deere Power Systems	FJDXL04.5214
John Deere Power Systems	FJDXL06.8120
John Deere Power Systems	FJDXL09.0114
John Deere Power Systems	FJDXL13.5132
John Deere Power Systems	FJDXL13.5146
Detroit Diesel	FDDXL14.0WLD
FPT Industrial	FFPXL03.2TCI
FPT Industrial	FFPXL04.5DCB
FPT Industrial	FFPXL06.7DGB
FPT Industrial	FFPXL06.7DGS
FPT Industrial	FFPXL08.7TR3

<b>Manufacturer</b>	<b>Engine Families</b>
FPT Industrial	FFPXL10.3TR3
IHI Shibaura Machinery Corporation	FH3XL2.22N4L
Komatsu Ltd	FKLXL23.2FD5
KUKJE MACHINERY	FKMCL3.41D43
MERCEDES-BENZ	FMBXL07.2RJC
Mitsubishi	FMVXL24.5BBA
Mitsubishi	FMVXL33.9BBA
Mitsubishi	FMVXL37.1BBA
Mitsubishi	FMVXL49.0BBA
Mitsubishi	FMVXL65.4BBA
MTU DD	FMDDL14.0ZWK
MTU DD	FMDDL21.0ZWR
MTU DD	FMDDL31.8XRR
MTU DD	FMDDL35.8GRR
MTU DD	FMDDL40.1GNR
MTU DD	FMDDL95.4XTR
Perkins	FPKXL04.4NH1
Perkins	FPKXL04.4NJ1
Perkins	FPKXL04.4NM1
Perkins	FPKXL04.4NM2
Perkins	FPKXL06.6PJ1
Perkins	FPKXL06.6PJ2
Perkins	FPKXL07.0PW1
Perkins	FPKXL07.0PW2
AB Volvo Penta	FVPXL16.1ACB
AB Volvo Penta	FVPXL16.1ACG
AB Volvo Penta	FVPXL16.1ACW

**Model Year 2016 Engines**

<b>Manufacturer</b>	<b>Engine Families</b>
Caterpillar	GCPXL08.8NZS
Caterpillar	GCPXL106.NZS
Caterpillar	GCPXL12.5NYS
Caterpillar	GCPXL15.2NYS
Caterpillar	GCPXL15.2NZS

<b>Manufacturer</b>	<b>Engine Families</b>
Caterpillar	GCPXL18.1NYS
Caterpillar	GCPXL18.1NZS
Caterpillar	GCPXL27.0NZS
Caterpillar	GCPXL32.0NZS
Caterpillar	GCPXL78.1NZS
Cummins	GCEXL015.AAH
Cummins	GCEXL015.AAJ
Cummins	GCEXL019.AAD
Cummins	GCEXL023.AAB
Cummins	GCEXL0275AAG
Cummins	GCEXL0275AAH
Cummins	GCEXL0275AAK
Cummins	GCEXL030.AAD
Cummins	GCEXL0409AAB
Cummins	GCEXL0409AAC
Cummins	GCEXL0409AAD
Cummins	GCEXL050.AAD
Cummins	GCEXL0505AAE
Cummins	GCEXL0540AAB
Cummins	GCEXL060.AAD
Cummins	GCEXL0661AAH
Cummins	GCEXL13.0AAA
Cummins	GCEXL95.0AAA
John Deere Power Systems	GJDXL04.5119
John Deere Power Systems	GJDXL04.5141
John Deere Power Systems	GJDXL04.5214
John Deere Power Systems	GJDXL06.8120
John Deere Power Systems	GJDXL09.0114
John Deere Power Systems	GJDXL13.5132
John Deere Power Systems	GJDXL13.5146
Detroit Diesel	GDDXL14.0WLD
FPT Industrial	GFPXL06.7DGB
FPT Industrial	GFPXL06.7DGS
FPT Industrial	GFPXL08.7TR3
FPT Industrial	GFPXL10.3TR3

<b>Manufacturer</b>	<b>Engine Families</b>
FPT Industrial	GFPXL12.9IGR
Kubota	GKBXL03.6BAC
KUKJE MACHINERY	GKMCL3.41D43
MERCEDES-BENZ	GMBXL07.2RJC
Mitsubishi	GMVXL03.3CBA
Mitsubishi	GMVXL24.5BBA
Mitsubishi	GMVXL33.9BBA
Mitsubishi	GMVXL37.1BBA
Mitsubishi	GMVXL49.0BBA
Mitsubishi	GMVXL65.4BBA
MTU DD	GMDDL14.0ZWK
MTU DD	GMDDL21.0ZWR
MTU DD	GMDDL31.8XRR
MTU DD	GMDDL35.8GRR
MTU DD	GMDDL40.1GNR
MTU DD	GMDDL95.4GTR
Perkins	GPKXL04.4NH1
Perkins	GPKXL04.4NJ1
Perkins	GPKXL04.4NM1
Perkins	GPKXL04.4NM2
Perkins	GPKXL04.4NP1
Perkins	GPKXL04.4NR1
Perkins	GPKXL07.0PW1
Perkins	GPKXL07.0PW2
AB Volvo Penta	GVPXL16.1ACB
AB Volvo Penta	GVPXL16.1ACG
AB Volvo Penta	GVPXL16.1ACW

**Model Year 2017 Engines**

<b>Manufacturer</b>	<b>Engine Families</b>
Caterpillar	HCPXL08.8NZS
Caterpillar	HCPXL106.NZS
Caterpillar	HCPXL12.5NYS
Caterpillar	HCPXL15.2NYS
Caterpillar	HCPXL15.2NZS

<b>Manufacturer</b>	<b>Engine Families</b>
Caterpillar	HCPXL18.1NYS
Caterpillar	HCPXL18.1NZS
Caterpillar	HCPXL27.0NZS
Caterpillar	HCPXL32.0NZS
Caterpillar	HCPXL78.1NZS
Cummins	HCEXL015.AAH
Cummins	HCEXL015.AAJ
Cummins	HCEXL019.AAD
Cummins	HCEXL023.AAB
Cummins	HCEXL0275AAG
Cummins	HCEXL0275AAK
Cummins	HCEXL030.AAD
Cummins	HCEXL0409AAB
Cummins	HCEXL0409AAC
Cummins	HCEXL0409AAD
Cummins	HCEXL050.AAD
Cummins	HCEXL0505AAE
Cummins	HCEXL0540AAB
Cummins	HCEXL060.AAD
Cummins	HCEXL0661AAH
Cummins	HCEXL95.0AAA
John Deere Power Systems	HJDXL04.5119
John Deere Power Systems	HJDXL04.5214
John Deere Power Systems	HJDXL06.8120
John Deere Power Systems	HJDXL09.0114
John Deere Power Systems	HJDXL13.5132
John Deere Power Systems	HJDXL13.5146
Detroit Diesel	HDDXL14.0WLD
FPT Industrial	HFPXL06.7DGB
FPT Industrial	HFPXL06.7DGS
FPT Industrial	HFPXL08.7TR3
FPT Industrial	HFPXL10.3TR3
FPT Industrial	HFPXL12.9IGR
KUKJE MACHINERY	HKMCL3.41D43
LMB	HLHAL45.0ESP

<b>Manufacturer</b>	<b>Engine Families</b>
LMB	HLHAL103.ESP
MERCEDES-BENZ	HMBXL07.2RJC
Mitsubishi	HMVXL03.3CBA
Mitsubishi	HMVXL24.5BBA
Mitsubishi	HMVXL33.9BBA
Mitsubishi	HMVXL37.1BBA
Mitsubishi	HMVXL49.0BBA
Mitsubishi	HMVXL65.4BBA
MTU DD	HMDDL21.0ZWR
MTU DD	HMDDL35.8GRR
MTU DD	HMDDL40.1GNR
MTU DD	HMDDL95.4GTR
Perkins	HPKXL04.4NP1
Perkins	HPKXL04.4NR1
Perkins	HPKXL07.0PW1
Perkins	HPKXL07.0PW2
AB Volvo Penta	HVPXL16.1ACB
AB Volvo Penta	HVPXL16.1ACG
AB Volvo Penta	HVPXL16.1ACW

**Model Year 2018 Engines**

<b>Manufacturer</b>	<b>Engine Families</b>
Caterpillar	JCPXL08.8NZS
Caterpillar	JCPXL106.NZS
Caterpillar	JCPXL12.5NYS
Caterpillar	JCPXL15.2NYS
Caterpillar	JCPXL15.2NZS
Caterpillar	JCPXL18.1NYS
Caterpillar	JCPXL18.1NZS
Caterpillar	JCPXL27.0NZS
Caterpillar	JCPXL32.0NZS
Caterpillar	JCPXL78.1NZS
Cummins	JCEXL015.AAH
Cummins	JCEXL015.AAJ
Cummins	JCEXL019.AAD

<b>Manufacturer</b>	<b>Engine Families</b>
Cummins	JCEXL023.AAB
Cummins	JCEXL0275AAG
Cummins	JCEXL0275AAK
Cummins	JCEXL030.AAD
Cummins	JCEXL0409AAB
Cummins	JCEXL0409AAC
Cummins	JCEXL0409AAD
Cummins	JCEXL050.AAD
Cummins	JCEXL0505AAE
Cummins	JCEXL0540AAB
Cummins	JCEXL060.AAD
Cummins	JCEXL0661AAH
Cummins	JCEXL95.0AAA
John Deere Power Systems	JJDXL04.5119
John Deere Power Systems	JJDXL04.5141
John Deere Power Systems	JJDXL06.8120
John Deere Power Systems	JJDXL09.0114
John Deere Power Systems	JJDXL13.5132
John Deere Power Systems	JJDXL13.5146
FPT Industrial	JFPXL06.7DGB
FPT Industrial	JFPXL06.7DGS
FPT Industrial	JFPXL08.7TR3
FPT Industrial	JFPXL10.3TR3
FPT Industrial	JFPXL12.9IGR
KOEL AMERICAS	JKOEL3.24TAX
KUKJE MACHINERY	JKMCL3.41D43
LMB	JLHAL45.0ESP
LMB	JLHAL103.ESP
MERCEDES-BENZ	JMBXL07.2RJC
Mitsubishi	JMVXL03.3AAJ
Mitsubishi	JMVXL03.3CBA
Mitsubishi	JMVXL24.5BBA
Mitsubishi	JMVXL33.9BBA
Mitsubishi	JMVXL37.1BBA
Mitsubishi	JMVXL49.0BBA

<b>Manufacturer</b>	<b>Engine Families</b>
Mitsubishi	JMVXL65.4BBA
MTU DD	JMDDL14.0ZWK
MTU DD	JMDDL21.0ZWR
MTU DD	JMDDL35.8GRR
MTU DD	JMDDL40.1GNR
MTU DD	JMDDL95.4GTR
Perkins	JPKXL04.4NM1
Perkins	JPKXL04.4NM2
Perkins	JPKXL04.4NP1
Perkins	JPKXL04.4NR1
Perkins	JPKXL07.0PW1
Perkins	JPKXL07.0PW2
AB Volvo Penta	JVPXL16.1ACB
AB Volvo Penta	JVPXL16.1ACG
AB Volvo Penta	JVPXL16.1ACW

### **Model Year 2019 Engines**

<b>Manufacturer</b>	<b>Engine Families</b>
Caterpillar	KCPXL08.8NZS
Caterpillar	KCPXL106.NZS
Caterpillar	KCPXL12.5NYS
Caterpillar	KCPXL15.2NYS
Caterpillar	KCPXL15.2NZS
Caterpillar	KCPXL18.1NYS
Caterpillar	KCPXL18.1NZS
Caterpillar	KCPXL27.0NZS
Caterpillar	KCPXL32.0NZS
Caterpillar	KCPXL78.1NZS
Cummins	KCEXL015.AAH
Cummins	KCEXL015.AAJ
Cummins	KCEXL019.AAD
Cummins	KCEXL023.AAB
Cummins	KCEXL0275AAG
Cummins	KCEXL0275AAK
Cummins	KCEXL030.AAD

<b>Manufacturer</b>	<b>Engine Families</b>
Cummins	KCEXL0409AAB
Cummins	KCEXL0409AAC
Cummins	KCEXL0409AAD
Cummins	KCEXL050.AAD
Cummins	KCEXL0505AAE
Cummins	KCEXL0540AAB
Cummins	KCEXL060.AAD
Cummins	KCEXL0661AAH
Cummins	KCEXL95.0AAA
John Deere Power Systems	KJDXL04.5119
John Deere Power Systems	KJDXL04.5141
John Deere Power Systems	KJDXL06.8120
John Deere Power Systems	KJDXL09.0114
John Deere Power Systems	KJDXL13.5132
John Deere Power Systems	KJDXL13.5146
FPT Industrial	KFPXL06.7DGB
FPT Industrial	KFPXL06.7DGS
FPT Industrial	KFPXL06.7LIM
FPT Industrial	KFPXL08.7TR3
FPT Industrial	KFPXL10.3TR3
FPT Industrial	KFPXL12.9IGR
JCB POWER	KJCBL04.4TAE
KOEL AMERICAS	KKOEL3.24TAX
KUKJE MACHINERY	KKMCL3.41D43
LMB	KLHAL45.0ESP
LMB	KLHAL103.ESP
MERCEDES-BENZ	KMBXL07.2RJC
Mitsubishi	KMVXL03.3AAJ
Mitsubishi	KMVXL03.3CBB
Mitsubishi	KMVXL24.5BBA
Mitsubishi	KMVXL33.9BBA
Mitsubishi	KMVXL37.1BBA
Mitsubishi	KMVXL49.0BBA
Mitsubishi	KMVXL65.4BBA
MTU DD	KMDDL14.0ZWK

<b>Manufacturer</b>	<b>Engine Families</b>
MTU DD	KMDDL21.0ZWR
MTU DD	KMDDL35.8GRR
MTU DD	KMDDL40.1GNR
MTU DD	KMDDL95.4GTR
Perkins	KPKXL04.4NM1
Perkins	KPKXL04.4NM2
Perkins	KPKXL04.4NP1
Perkins	KPKXL04.4NR1
Perkins	KPKXL07.0PW1
Perkins	KPKXL07.0PW2
AB Volvo Penta	KVPXL16.1ACB
AB Volvo Penta	KVPXL16.1ACC
AB Volvo Penta	KVPXL16.1ACG
AB Volvo Penta	KVPXL16.1ACW

**Model Year 2020 Engines**

<b>Manufacturer</b>	<b>Engine Families</b>
Caterpillar	LCPXL08.8NZS
Caterpillar	LCPXL106.NZS
Caterpillar	LCPXL12.5NYS
Caterpillar	LCPXL15.2NYS
Caterpillar	LCPXL15.2NZS
Caterpillar	LCPXL18.1NYS
Caterpillar	LCPXL18.1NZS
Caterpillar	LCPXL27.0NZS
Caterpillar	LCPXL32.0NZS
Caterpillar	LCPXL78.1NZS
Cummins	LCEXL015.AAH
Cummins	LCEXL015.AAJ
Cummins	LCEXL019.AAD
Cummins	LCEXL023.AAB
Cummins	LCEXL0275AAG
Cummins	LCEXL0275AAH
Cummins	LCEXL0275AAK
Cummins	LCEXL030.AAD

<b>Manufacturer</b>	<b>Engine Families</b>
Cummins	LCEXL0409AAB
Cummins	LCEXL0409AAC
Cummins	LCEXL0409AAD
Cummins	LCEXL050.AAD
Cummins	LCEXL0505AAE
Cummins	LCEXL0540AAB
Cummins	LCEXL060.AAD
Cummins	LCEXL0661AAH
Cummins	LCEXL13.0AAA
Cummins	LCEXL95.0AAA
John Deere Power Systems	LJDXL04.5119
John Deere Power Systems	LJDXL04.5141
John Deere Power Systems	LJDXL06.8120
John Deere Power Systems	LJDXL09.0114
John Deere Power Systems	LJDXL13.5132
John Deere Power Systems	LJDXL13.5146
FPT Industrial	LFPXL06.7DGB
FPT Industrial	LFPXL06.7DGS
FPT Industrial	LFPXL06.7LIM
FPT Industrial	LFPXL08.7TR3
FPT Industrial	LFPXL10.3TR3
FPT Industrial	LFPXL12.9IGR
JCB POWER	LJCBL04.4TAE
KOEL AMERICAS	LKOEL3.24TAX
KUKJE MACHINERY	LKMCL3.41D43
LMB	LLHAL45.0ESP
LMB	LLHAL103.ESP
MERCEDES-BENZ	LMBXL07.2RJC
Mitsubishi	KMVXL03.3CBB
Mitsubishi	KMVXL24.5BBA
Mitsubishi	KMVXL33.9BBA
Mitsubishi	KMVXL37.1BBA
Mitsubishi	KMVXL49.0BBA
Mitsubishi	KMVXL65.4BBA
MTU DD	KMDDL14.0ZWR

<b>Manufacturer</b>	<b>Engine Families</b>
MTU DD	KMDDL21.0ZWR
MTU DD	KMDDL35.8GRR
MTU DD	KMDDL40.1GNR
MTU DD	KMDDL95.4GTR
Perkins	KPKXL04.4NM1
Perkins	KPKXL04.4NM2
Perkins	KPKXL04.4NP1
Perkins	KPKXL04.4NR1
Perkins	KPKXL07.0PW1
Perkins	KPKXL07.0PW2
AB Volvo Penta	KVPXL16.1ACC
AB Volvo Penta	KVPXL16.1ACG
AB Volvo Penta	KVPXL16.1ACW
Weichai	LWEHL52.3EMS

### **Model Year 2021 Engines**

<b>Manufacturer</b>	<b>Engine Families</b>
Caterpillar	MCPXL12.5NYS
Caterpillar	MCPXL08.8NZS
Caterpillar	MCPXL15.2NYS
Caterpillar	MCPXL18.1NZS
Caterpillar	MCPXL27.0NZS
Caterpillar	MCPXL15.2NZS
Caterpillar	MCPXL106.NZS
Caterpillar	MCPXL78.1NZS
Caterpillar	MCPXL18.1NYS
Caterpillar	MCPXL32.0NZS
Cummins	MCEXL0275AAH
Cummins	MCEXL0540AAB
Cummins	MCEXL0505AAE
Cummins	MCEXL0275AAK
Cummins	MCEXL0275AAG
Cummins	MCEXL0409AAC
Cummins	MCEXL0409AAB
Cummins	MCEXL019.AAD

<b>Manufacturer</b>	<b>Engine Families</b>
Cummins	MCEXL015.AAH
Cummins	MCEXL0409AAD
Cummins	MCEXL0661AAH
Cummins	MCEXL060.AAD
Cummins	MCEXL95.0AAA
Cummins	MCEXL023.AAB
Cummins	MCEXL015.AAJ
Cummins	MCEXL030.AAD
Cummins	MCEXL13.0AAA
Cummins	MCEXL050.AAD
John Deere Power Systems	MJDXL09.0114
John Deere Power Systems	MJDXL13.5132
John Deere Power Systems	MJDXL04.5141
John Deere Power Systems	MJDXL04.5119
John Deere Power Systems	MJDXL06.8120
John Deere Power Systems	MJDXL04.5214
John Deere Power Systems	MJDXL13.5146
FPT Industrial	MFPXL10.3TR3
FPT Industrial	MFPXL08.7TR3
FPT Industrial	MFPXL12.9IGR
FPT Industrial	MFPXL06.7DGB
FPT Industrial	MFPXL06.7LIM
FPT Industrial	MFPXL06.7DGS
KUKJE MACHINERY	MKMCL3.41D43
LMB	MLHAL45.0ESP
MERCEDES-BENZ	MMBXL07.2RJC
Mitsubishi	MMVXL03.3AAJ
Mitsubishi	MMVXL03.3CBB
Mitsubishi	MMVXL65.4BBA
Mitsubishi	MMVXL33.9BBA
Mitsubishi	MMVXL49.0BBA
Mitsubishi	MMVXL24.5BBA
Mitsubishi	MMVXL37.1BBA
MTU DD	MMDDL14.0ZWK
MTU DD	MMDDL21.0ZWR

<b>Manufacturer</b>	<b>Engine Families</b>
MTU DD	MMDDL95.4GTZ
MTU DD	MMDDL40.1GNR
Perkins	MPKXL04.4NM2
Perkins	MPKXL04.4NM1
Perkins	MPKXL07.0PW2
Perkins	MPKXL04.4NP1
Perkins	MPKXL04.4NR1
Perkins	MPKXL07.0PW1
AB Volvo Penta	MVPXL16.1ACG
AB Volvo Penta	MVPXL16.1ACC
AB Volvo Penta	MVPXL16.1ACW
Weichai	MWEHL52.3EMS

**Model Year 2022 Engines**

<b>Manufacturer</b>	<b>Engine Families</b>
Caterpillar	NCPXL12.5NYS
Caterpillar	NCPXL08.8NZS
Caterpillar	NCPXL15.2NYS
Caterpillar	NCPXL18.1NZS
Caterpillar	NCPXL27.0NZS
Caterpillar	NCPXL15.2NZS
Caterpillar	NCPXL106.NZS
Caterpillar	NCPXL78.1NZS
Caterpillar	NCPXL18.1NYS
Caterpillar	NCPXL32.0NZS
Cummins	NCEXL0275AAH
Cummins	NCEXL0540AAB
Cummins	NCEXL0505AAE
Cummins	NCEXL0275AAK
Cummins	NCEXL0275AAG
Cummins	NCEXL0409AAC
Cummins	NCEXL0409AAB
Cummins	NCEXL019.AAD
Cummins	NCEXL015.AAH
Cummins	NCEXL0409AAD

<b>Manufacturer</b>	<b>Engine Families</b>
Cummins	NCEXL0661AAH
Cummins	NCEXL060.AAD
Cummins	NCEXL95.0AAA
Cummins	NCEXL023.AAB
Cummins	NCEXL015.AAJ
Cummins	NCEXL030.AAD
Cummins	NCEXL13.0AAA
Cummins	NCEXL050.AAD
John Deere Power Systems	NJDXL09.0114
John Deere Power Systems	NJDXL13.5132
John Deere Power Systems	NJDXL04.5141
John Deere Power Systems	NJDXL04.5119
John Deere Power Systems	NJDXL06.8120
John Deere Power Systems	NJDXL04.5214
John Deere Power Systems	NJDXL13.5146
FPT Industrial	NFPXL10.3TR3
FPT Industrial	NFPXL08.7TR3
FPT Industrial	NFPXL12.9IGR
FPT Industrial	NFPXL06.7DGB
FPT Industrial	NFPXL06.7LIM
FPT Industrial	NFPXL06.7DGS
KUKJE MACHINERY	NKMCL3.41D43
LMB	NLHAL45.0ESP
MERCEDES-BENZ	NMBXL07.2RJC
Mitsubishi	NMVXL03.3AAJ
Mitsubishi	NMVXL03.3CBB
Mitsubishi	NMVXL65.4BBA
Mitsubishi	NMVXL33.9BBA
Mitsubishi	NMVXL49.0BBA
Mitsubishi	NMVXL24.5BBA
Mitsubishi	NMVXL37.1BBA
MTU DD	NMDDL14.0ZWK
MTU DD	NMDDL21.0ZWR
MTU DD	NMDDL95.4GTZ
MTU DD	NMDDL40.1GNR

<b>Manufacturer</b>	<b>Engine Families</b>
Perkins	NPKXL04.4NM2
Perkins	NPKXL04.4NM1
Perkins	NPKXL07.0PW2
Perkins	NPKXL04.4NP1
Perkins	NPKXL07.0PW1
AB Volvo Penta	NVPXL16.1ACC
AB Volvo Penta	NVPXL16.1ACW
Weichai	NWEHL52.3EMS

**Model Year 2023 Engines**

<b>Manufacturer</b>	<b>Engine Families</b>
AB Volvo Penta	PVPXL07.7BDA
AB Volvo Penta	PVPXL12.8BCA
AB Volvo Penta	PVPXL16.1ACC
AB Volvo Penta	PVPXL16.1ACW
Caterpillar	PCPXL08.8NZS
Caterpillar	PCPXL106.NZS
Caterpillar	PCPXL12.5NYS
Caterpillar	PCPXL15.2NYS
Caterpillar	PCPXL15.2NZS
Caterpillar	PCPXL18.1NYS
Caterpillar	PCPXL18.1NZS
Caterpillar	PCPXL27.0NZS
Caterpillar	PCPXL32.0NZS
Caterpillar	PCPXL45.8NZS
Caterpillar	PCPXL78.1NZS
Cummins	PCEXL015.AAH
Cummins	PCEXL015.AAJ
Cummins	PCEXL019.AAD
Cummins	PCEXL023.AAB
Cummins	PCEXL0275AAG
Cummins	PCEXL0275AAH
Cummins	PCEXL0275AAK
Cummins	PCEXL030.AAD
Cummins	PCEXL0409AAB

<b>Manufacturer</b>	<b>Engine Families</b>
Cummins	PCEXL0409AAC
Cummins	PCEXL0409AAD
Cummins	PCEXL050.AAD
Cummins	PCEXL0505AAE
Cummins	PCEXL0540AAB
Cummins	PCEXL060.AAD
Cummins	PCEXL0661AAH
Cummins	PCEXL13.0AAA
Cummins	PCEXL95.0AAA
Daimler Truck AG	PDTAL07.2RJC
Deere	PJDXL02.9142
Deere	PJDXL04.5119
Deere	PJDXL04.5141
Deere	PJDXL04.5214
Deere	PJDXL06.8120
Deere	PJDXL09.0114
Deere	PJDXL13.5132
Deere	PJDXL13.5146
FPT Industrial	PPFXL04.5DTD
FPT Industrial	PPFXL06.7DGB
FPT Industrial	PPFXL06.7DGS
FPT Industrial	PPFXL06.7LIM
FPT Industrial	PPFXL08.7TR3
FPT Industrial	PPFXL10.3TR3
FPT Industrial	PPFXL12.9IGR
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.ESP
Liebherr Machines Bulle SA	PLHAL18.0ESP
Liebherr Machines Bulle SA	PLHAL18.0ESP
Liebherr Machines Bulle SA	PLHAL45.0ESP
Mitsubishi Heavy Industries Engine & Turbocharger	PMVXL03.3AAJ
Mitsubishi Heavy Industries Engine & Turbocharger	PMVXL03.3CBB
Mitsubishi Heavy Industries Engine & Turbocharger	PMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger	PMVXL33.9BBA

<b>Manufacturer</b>	<b>Engine Families</b>
Mitsubishi Heavy Industries Engine & Turbocharger	PMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger	PMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger	PMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger	PMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger	PMVXL65.4BBA
Perkins Engines	PPKXL04.4NM1
Perkins Engines	PPKXL04.4NM2
Perkins Engines	PPKXL04.4NP1
Perkins Engines	PPKXL04.4NR1
Perkins Engines	PPKXL04.4NR1
Perkins Engines	PPKXL04.4NR2
Perkins Engines	PPKXL07.0PW1
Perkins Engines	PPKXL07.0PW2
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
TYM Corporation	PTYCL3.41D43
Weichai Power	PWEHL52.3EMS

**Model Year 2024 Engines**

<b>Manufacturer</b>	<b>Engine Families</b>
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	RVPXL17.3ADA
Caterpillar	RCPXL08.8NZS
Caterpillar	RCPXL08.8NZS
Caterpillar	RCPXL08.8NZS
Caterpillar	RCPXL106.NZS

Manufacturer	Engine Families
Caterpillar	RCPXL106.NZS
Caterpillar	RCPXL106.NZS
Caterpillar	RCPXL12.5NYS
Caterpillar	RCPXL12.5NYS
Caterpillar	RCPXL15.2NYS
Caterpillar	RCPXL15.2NZS
Caterpillar	RCPXL18.1NYS
Caterpillar	RCPXL18.1NYS
Caterpillar	RCPXL18.1NYS
Caterpillar	RCPXL18.1NYS
Caterpillar	RCPXL18.1NZS
Caterpillar	RCPXL27.0NZS
Caterpillar	RCPXL32.1NZS
Caterpillar	RCPXL45.8NZS
Caterpillar	RCPXL78.1NZS
Caterpillar	RCPXL78.1NZS
Caterpillar	RCPXL78.1NZS
Cummins	RCEXL015.AAJ
Cummins	RCEXL023.AAB
Cummins	RCEXL023.AAB
Cummins	RCEXL023.AAB
Cummins	RCEXL023.AAB
Cummins	RCEXL0275AAK
Cummins	RCEXL0275AAK
Cummins	RCEXL030.AAD
Cummins	RCEXL0409AAB
Cummins	RCEXL0409AAC
Cummins	RCEXL0409AAD
Cummins	RCEXL050.AAD
Cummins	RCEXL050.AAD
Cummins	RCEXL0540AAB
Cummins	RCEXL0540AAB
Cummins	RCEXL060.AAD
Cummins	RCEXL060.AAD
Cummins	RCEXL0661AAH
Cummins	RCEXL13.0AAA

<b>Manufacturer</b>	<b>Engine Families</b>
Cummins	RCEXL95.0AAA
Daimler Truck AG	RDTAL07.2RJC
Deere	RJDXL02.9142
Deere	RJDXL04.5119
Deere	RJDXL04.5141
Deere	RJDXL04.5214
Deere	RJDXL06.8120
Deere	RJDXL09.0114
Deere	RJDXL13.5132
Deere	RJDXL13.5146
FPT Industrial	RFPXL04.5DTD
FPT Industrial	RFPXL06.7DGB
FPT Industrial	RFPXL06.7DGS
FPT Industrial	RFPXL06.7LIM
FPT Industrial	RFPXL08.7TR3
FPT Industrial	RFPXL10.3TR3
FPT Industrial	RFPXL12.9IGR
HD Hyundai Infracore Co., Ltd.	RDICL11.0LCG
HD Hyundai Infracore Co., Ltd.	RDICL21.9LBG
Kubota Corporation	RKBXL03.6BAC
Liebherr Machines Bulle SA	RLHAL103.E9P
Liebherr Machines Bulle SA	RLHAL103.E9P
Liebherr Machines Bulle SA	RLHAL103.E9P
Liebherr Machines Bulle SA	RLHAL103.E9P
Liebherr Machines Bulle SA	RLHAL103.E9P
Liebherr Machines Bulle SA	RLHAL103.E9P
Liebherr Machines Bulle SA	RLHAL103.E9P
Liebherr Machines Bulle SA	RLHAL103.ESP
Liebherr Machines Bulle SA	RLHAL18.0ESP
Liebherr Machines Bulle SA	RLHAL45.0ESP
Mitsubishi Heavy Industries Engine & Turbocharger	RMVXL03.3AAJ
Mitsubishi Heavy Industries Engine & Turbocharger	RMVXL03.3CBB
Mitsubishi Heavy Industries Engine & Turbocharger	RMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger	RMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger	RMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger	RMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger	RMVXL65.4BBA

<b>Manufacturer</b>	<b>Engine Families</b>
Perkins Engines	RPKXL04.4NM2
Perkins Engines	RPKXL04.4NP1
Perkins Engines	RPKXL04.4NP1
Perkins Engines	RPKXL04.4NR1
Perkins Engines	RPKXL04.4NR2
Perkins Engines	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	RWEHL52.3EMS

**Model Year 2025 Engines**

<b>Manufacturer</b>	<b>Engine Families</b>
AB Volvo Penta	SVPXL07.7BDA
AB Volvo Penta	SVPXL12.8BCA
AB Volvo Penta	SVPXL16.1ACC
AB Volvo Penta	SVPXL16.1ACW
AB Volvo Penta	SVPXL17.3ADA
Caterpillar	SCPXL08.8NZS

<b>Manufacturer</b>	<b>Engine Families</b>
Caterpillar	SCPXL106.NZS
Caterpillar	SCPXL12.5NYS
Caterpillar	SCPXL15.2NYS
Caterpillar	SCPXL15.2NZS
Caterpillar	SCPXL18.1NYS
Caterpillar	SCPXL18.1NZS
Caterpillar	SCPXL27.0NZS
Caterpillar	SCPXL32.1NZS
Caterpillar	SCPXL61.1NZS
Caterpillar	SCPXL78.1NZS
Cummins	SCEXL015.AAJ
Cummins	SCEXL023.AAB
Cummins	SCEXL0275AAK
Cummins	SCEXL030.AAD
Cummins	SCEXL0409AAD
Cummins	SCEXL050.AAD
Cummins	SCEXL0540AAB
Cummins	SCEXL060.AAD
Cummins	SCEXL95.0AAA
Deere	SJDXL02.9142
Deere	SJDXL04.5119
Deere	SJDXL04.5141
Deere	SJDXL04.5214
Deere	SJDXL06.8120
Deere	SJDXL09.0114
Deere	SJDXL13.5132
Deere	SJDXL13.5146
FPT Industrial	SFPXL04.5DTD
FPT Industrial	SFPXL06.7DGB
FPT Industrial	SFPXL06.7DGS
FPT Industrial	SFPXL06.7LIM
FPT Industrial	SFPXL08.7TR3
FPT Industrial	SFPXL10.3TR3
FPT Industrial	SFPXL12.9IGR
HD Hyundai Infracore Co., Ltd.	SDICL11.0LCG
HD Hyundai Infracore Co., Ltd.	SDICL15.1LBA

<b>Manufacturer</b>	<b>Engine Families</b>
HD Hyundai Infracore Co., Ltd.	SDICL15.1LBG
HD Hyundai Infracore Co., Ltd.	SDICL21.9LBG
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
Mitsubishi Heavy Industries Engine & Turbocharger	SMVXL03.3CBB
Mitsubishi Heavy Industries Engine & Turbocharger	SMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger	SMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger	SMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger	SMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger	SMVXL65.4BBA
Perkins Engines	SPKXL04.4NP1
Perkins Engines	SPKXL04.4NR1
Perkins Engines	SPKXL07.0PW1
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	SMRBL109.EMS
Societe Internationale des Moteurs-Baudouin	SMRBL65.4EMS
Weichai Power	SWEHL52.3EMS