

Attachment 1: Safety Power Inc. cv-ecoCUBE® Emission Control System

*Off-Road Certified Engine Family List (≤ 0.18 g/bhp-hr PM) for Stationary Applications
CA/SPI/2026/PM3+/N85/ST/SYS01*

Model Year 2007 Engines

Manufacturer	Engine Family
Cummins Inc	7CEXL078.AAE
Cummins Inc.	7CEXL060.AAE
IVECO NV	7VEXL12.9TCD
MTU Detroit Diesel, Inc.	7MDDL90.0GTP
MTU Detroit Diesel, Inc.	7MDDL95.4GTP

Model Year 2008 Engines

Manufacturer	Engine Family
Caterpillar, Inc.	8CPXL08.8ESK
Caterpillar, Inc.	8CPXL15.2ELW
Caterpillar, Inc.	8CPXL15.2ESW
Caterpillar, Inc.	8CPXL18.1ESW
Caterpillar, Inc.	8CPXL32.0ESW
Caterpillar, Inc.	8CPXL27.0ESX
Caterpillar, Inc.	8CPXL78.1ERK
Caterpillar, Inc.	8CPXL106.T2E
Caterpillar, Inc.	8CPXL58.6T2X
CNH UK LTD	8NHXL04.5DCB
CNH UK LTD	8NHXL06.7DCD
Cummins Inc	8CEXL050.ABA
Cummins Inc	8CEXL078.AAE
Cummins Inc.	8CEXL015.AAB
Cummins Inc.	8CEXL015.AAJ
Cummins Inc.	8CEXL023.AAB
Cummins Inc.	8CEXL0275AAK
Cummins Inc.	8CEXL030.AAD
Cummins Inc.	8CEXL0409AAD
Cummins Inc.	8CEXL050.AAD
Cummins Inc.	8CEXL060.AAD
Cummins Inc.	8CEXL060.AAE
Cummins Inc.	8CEXL078.AAB
IVECO N. V.	8VEXL08.7TR3

Manufacturer	Engine Family
IVECO N. V.	8VEXL10.3MLR
IVECO N. V.	8VEXL10.3TR3
IVECO N. V.	8VEXL12.9IGR
IVECO N. V.	8VEXL12.9MLR
IVECO N. V.	8VEXL20.1DSL
IVECO N. V.	8VEXL06.7DGB
IVECO N. V.	8VEXL12.9TCD
IVECO S.p.A.	8VEXL04.5DCB
IVECO S.p.A.	8VEXL06.7DCD
IVECO S.p.A.	8VEXL06.7DGS
KOMATSU Ltd.	8KLXL23.2FD5
MTU Detroit Diesel, Inc.	8MDDL35.8GRR
MTU Detroit Diesel, Inc.	8MDDL90.0GTP
MTU Detroit Diesel, Inc.	8MDDL95.4GTP
MTU Detroit Diesel, Inc.	8MDDL95.4XTR

Model Year 2009 Engines

Manufacturer	Engine Family
AB Volvo Penta	9VPXL16.1ACB
AB Volvo Penta	9VPXL16.1ACW
Caterpillar, Inc.	9CPXL08.8ESK
Caterpillar, Inc.	9CPXL15.2ELW
Caterpillar, Inc.	9CPXL15.2ESW
Caterpillar, Inc.	9CPXL18.1ESW
Caterpillar, Inc.	9CPXL32.0ESW
Caterpillar, Inc.	9CPXL27.0ESX
Caterpillar, Inc.	9CPXL78.1ERK
Caterpillar, Inc.	9CPXL106.T2E
Caterpillar, Inc.	9CPXL58.6T2X
Caterpillar, Inc.	9CPXL58.6T2Y
Caterpillar, Inc.	9CPXL78.1T2E
Caterpillar, Inc.	9CPXL78.1T2X
Caterpillar, Inc.	9CPXL78.1T2Y
CNH UK LTD	9NHXL04.5DCB
CNH UK LTD	9NHXL06.7DCD
Cummins Inc	9CEXL078.AAE
Cummins Inc.	9CEXL015.AAJ
Cummins Inc.	9CEXL023.AAB

Manufacturer	Engine Family
Cummins Inc.	9CEXL0275AAK
Cummins Inc.	9CEXL03.3BAA
Cummins Inc.	9CEXL030.AAD
Cummins Inc.	9CEXL050.AAD
Cummins Inc.	9CEXL050.ABA
Cummins Inc.	9CEXL0540AAB
Cummins Inc.	9CEXL060.AAD
Cummins Inc.	9CEXL060.AAE
Cummins Inc.	9CEXL078.AAB
IVECO N. V.	9VEXL08.7TR3
IVECO N. V.	9VEXL10.3MLR
IVECO N. V.	9VEXL10.3TR3
IVECO N. V.	9VEXL12.9IGR
IVECO N. V.	9VEXL12.9MLR
IVECO N. V.	9VEXL20.1DSL
IVECO N. V.	9VEXL06.7DGB
IVECO N. V.	9VEXL12.9TCD
IVECO S.p.A.	9VEXL04.5DCB
IVECO S.p.A.	9VEXL06.7DCD
IVECO S.p.A.	9VEXL06.7DGS
KOMATSU Ltd.	9KLXL23.2FD5
MTU Detroit Diesel, Inc.	9MDDL31.8XRR
MTU Detroit Diesel, Inc.	9MDDL35.8GRR
MTU Detroit Diesel, Inc.	9MDDL90.0GTP
MTU Detroit Diesel, Inc.	9MDDL95.4GTP
MTU Detroit Diesel, Inc.	9MDDL95.4XTR
Mitsubishi Heavy Industries, Ltd	9MVXL65.4BBB
Perkins Engines Co. Ltd.	9PKXL03.3XM1
Perkins Engines Co. Ltd.	9PKXL04.4NH1
Perkins Engines Co. Ltd.	9PKXL04.4NJ1
Perkins Engines Co. Ltd.	9PKXL04.4NJ2
Perkins Engines Co. Ltd.	9PKXL04.4NL1
Perkins Engines Co. Ltd.	9PKXL04.4NM1
Perkins Engines Co. Ltd.	9PKXL04.4NM2
Perkins Engines Co. Ltd.	9PKXL06.6PJ1
Perkins Engines Co. Ltd.	9PKXL06.6PJ2
Perkins Engines Co. Ltd.	9PKXL12.5TAG
Perkins Engines Co. Ltd.	9PKXL15.2TA2

Manufacturer	Engine Family
Perkins Engines Co. Ltd.	9PKXL15.2TAG
Perkins Engines Co. Ltd.	9PKXL18.1TAG

Model Year 2010 Engines

Manufacturer	Engine Family
AB Volvo Penta	AVPXL16.1ACB
AB Volvo Penta	AVPXL16.1ACW
Caterpillar, Inc.	ACPXL08.8ESX
Caterpillar, Inc.	ACPXL15.2ESX
CNH UK LTD	ANHXL04.5DCB
CNH UK LTD	ANHXL06.7DCD
Caterpillar, Inc.	ACPXL08.8ESK
Caterpillar, Inc.	ACPXL106.T2E
Caterpillar, Inc.	ACPXL12.5ESK
Caterpillar, Inc.	ACPXL15.2ELW
Caterpillar, Inc.	ACPXL15.2ESW
Caterpillar, Inc.	ACPXL18.1ESW
Caterpillar, Inc.	ACPXL27.0ESW
Caterpillar, Inc.	ACPXL27.0ESX
Caterpillar, Inc.	ACPXL32.0ESW
Caterpillar, Inc.	ACPXL34.5T2C
Caterpillar, Inc.	ACPXL58.6T2X
Caterpillar, Inc.	ACPXL58.6T2Y
Caterpillar, Inc.	ACPXL58.6T2Z
Caterpillar, Inc.	ACPXL78.1ERK
Caterpillar, Inc.	ACPXL78.1T2E
Caterpillar, Inc.	ACPXL78.1T2X
Caterpillar, Inc.	ACPXL78.1T2Y
Cummins Inc.	ACEXL078.AAE
Cummins Inc.	ACEXL015.AAJ
Cummins Inc.	ACEXL023.AAB
Cummins Inc.	ACEXL0275AAK
Cummins Inc.	ACEXL03.3BAA
Cummins Inc.	ACEXL030.AAD
Cummins Inc.	ACEXL050.AAD
Cummins Inc.	ACEXL050.ABA
Cummins Inc.	ACEXL0540AAB
Cummins Inc.	ACEXL060.AAD

Manufacturer	Engine Family
Cummins Inc.	ACEXL060.AAE
Detroit Diesel Corporation	ADDXL14.0WLD
IVECO N. V.	AVEXL20.1DSL
IVECO S.p.A.	AVEXL04.5DCB
IVECO S.p.A.	AVEXL06.7DCD
IVECO S.p.A.	AVEXL06.7DGB
IVECO S.p.A.	AVEXL06.7DGS
IVECO S.p.A.	AVEXL08.7TR3
IVECO S.p.A.	AVEXL10.3MLR
IVECO S.p.A.	AVEXL10.3TR3
IVECO S.p.A.	AVEXL12.9IGR
IVECO S.p.A.	AVEXL12.9MLR
IVECO S.p.A.	AVEXL12.9TCD
John Deere Power Systems	AJDXL02.4207
John Deere Power Systems	AJDXL03.0063
John Deere Power Systems	AJDXL03.0064
John Deere Power Systems	AJDXL03.0113
John Deere Power Systems	AJDXL03.0203
John Deere Power Systems	AJDXL03.0208
John Deere Power Systems	AJDXL04.5083
John Deere Power Systems	AJDXL04.5107
John Deere Power Systems	AJDXL04.5111
John Deere Power Systems	AJDXL04.5112
John Deere Power Systems	AJDXL06.8049
John Deere Power Systems	AJDXL06.8078
John Deere Power Systems	AJDXL06.8082
John Deere Power Systems	AJDXL06.8104
John Deere Power Systems	AJDXL06.8105
John Deere Power Systems	AJDXL06.8106
John Deere Power Systems	AJDXL06.8117
John Deere Power Systems	AJDXL08.1037
John Deere Power Systems	AJDXL09.0114
John Deere Power Systems	AJDXL09.0901
KOMATSU LTD.	AKLXL78.0ZD1
KOMATSU Ltd.	AKLXL23.2FD5
Komatsu Ltd.	AKLXL078.AAF
MTU Detroit Diesel, Inc.	AMDDL14.0GWK

Manufacturer	Engine Family
MTU Detroit Diesel, Inc.	AMDDL31.8XRR
MTU Detroit Diesel, Inc.	AMDDL35.8GRR
MTU Detroit Diesel, Inc.	AMDDL90.0GTP
MTU Detroit Diesel, Inc.	AMDDL95.4GTP
MTU Detroit Diesel, Inc.	AMDDL95.4XTR
MTU Detroit Diesel, Inc.	AMDDL21.0GWR
Mitsubishi Heavy Industries, Ltd	AMVXL65.4BBB
Perkins Engines Co. Ltd.	APKXL03.3XM1
Perkins Engines Co. Ltd.	APKXL04.4NH1
Perkins Engines Co. Ltd.	APKXL04.4NJ1
Perkins Engines Co. Ltd.	APKXL04.4NJ2
Perkins Engines Co. Ltd.	APKXL04.4NL1
Perkins Engines Co. Ltd.	APKXL04.4NM1
Perkins Engines Co. Ltd.	APKXL04.4NM2
Perkins Engines Co. Ltd.	APKXL06.6PJ1
Perkins Engines Co. Ltd.	APKXL06.6PJ2
Perkins Engines Co. Ltd.	APKXL12.5TAG
Perkins Engines Co. Ltd.	APKXL15.2TA2
Perkins Engines Co. Ltd.	APKXL15.2TAG
Perkins Engines Co. Ltd.	APKXL18.1TAG

Model Year 2011 Engines

Manufacturer	Engine Family
AB Volvo Penta	BVPXL16.1ACB
AB Volvo Penta	BVPXL16.1ACW
CNH UK LTD	BNHXL06.7DCA
CNH UK LTD	BNHXL06.7DCB
CNH UK Ltd.	BNHXL04.5DCB
CNH UK Ltd.	BNHXL06.7DCD
Caterpillar Inc.	BCPXL08.8NZS
Caterpillar Inc.	BCPXL15.2NYS
Caterpillar Inc.	BCPXL15.2NZS
Caterpillar Inc.	BCPXL18.1NYS
Caterpillar Inc.	BCPXL27.0NZS
Caterpillar Inc.	BCPXL32.0NZS
Caterpillar, Inc.	BCPXL106.NZS
Caterpillar, Inc.	BCPXL78.1NZS

Manufacturer	Engine Family
Cummins Inc.	BCEXL015.AAJ
Cummins Inc.	BCEXL023.AAB
Cummins Inc.	BCEXL0275AAK
Cummins Inc.	BCEXL03.3BAA
Cummins Inc.	BCEXL03.3CAA
Cummins Inc.	BCEXL030.AAD
Cummins Inc.	BCEXL050.AAD
Cummins Inc.	BCEXL0540AAB
Cummins Inc.	BCEXL060.AAD
Detroit Diesel Corporation	BDDXL14.0WLD
Doosan Infracore Co., Ltd.	BDICL18.3USA
Doosan Infracore Co., Ltd.	BDICL21.9UYA
IVECO S.p.A.	BVEXL03.2SCI
IVECO S.p.A.	BVEXL03.2TAI
IVECO S.p.A.	BVEXL03.2TCI
IVECO S.p.A.	BVEXL04.5DAA
IVECO S.p.A.	BVEXL04.5DAB
IVECO S.p.A.	BVEXL04.5DCA
IVECO S.p.A.	BVEXL04.5DCB
IVECO S.p.A.	BVEXL04.5DTD
IVECO S.p.A.	BVEXL06.7DAA
IVECO S.p.A.	BVEXL06.7DCA
IVECO S.p.A.	BVEXL06.7DCB
IVECO S.p.A.	BVEXL06.7DCC
IVECO S.p.A.	BVEXL06.7DCD
IVECO S.p.A.	BVEXL06.7DGB
IVECO S.p.A.	BVEXL06.7DGS
IVECO S.p.A.	BVEXL08.7TR3
IVECO S.p.A.	BVEXL10.3TR3
IVECO S.p.A.	BVEXL12.9IGR
John Deere Power Systems	BJDXL02.4207
John Deere Power Systems	BJDXL03.0063
John Deere Power Systems	BJDXL03.0064
John Deere Power Systems	BJDXL03.0113
John Deere Power Systems	BJDXL03.0203
John Deere Power Systems	BJDXL03.0208
John Deere Power Systems	BJDXL04.5107

Manufacturer	Engine Family
John Deere Power Systems	BJDXL04.5111
John Deere Power Systems	BJDXL04.5112
John Deere Power Systems	BJDXL04.5130
John Deere Power Systems	BJDXL06.8078
John Deere Power Systems	BJDXL06.8082
John Deere Power Systems	BJDXL06.8104
John Deere Power Systems	BJDXL06.8105
John Deere Power Systems	BJDXL06.8106
John Deere Power Systems	BJDXL06.8117
John Deere Power Systems	BJDXL06.8120
John Deere Power Systems	BJDXL09.0114
John Deere Power Systems	BJDXL13.5132
KOMATSU Ltd.	BKLXL23.2FD5
MTU Detroit Diesel, Inc.	BMDDL14.0ZWK
MTU Detroit Diesel, Inc.	BMDDL21.0ZWR
MTU Detroit Diesel, Inc.	BMDDL31.8XRR
MTU Detroit Diesel, Inc.	BMDDL35.8GRR
MTU Detroit Diesel, Inc.	BMDDL95.4XTR
Mitsubishi Heavy Industries, Ltd	BMVXL05.0AAG
Mitsubishi Heavy Industries, Ltd	BMVXL24.5BBA
Mitsubishi Heavy Industries, Ltd	BMVXL33.9BBA
Mitsubishi Heavy Industries, Ltd	BMVXL37.1BBA
Mitsubishi Heavy Industries, Ltd	BMVXL49.0BBA
Mitsubishi Heavy Industries, Ltd	BMVXL65.4BBA
Mitsubishi Heavy Industries, Ltd	BMVXL65.4BBB
Perkins Engines Co. Ltd.	BPKXL04.4NH1
Perkins Engines Co. Ltd.	BPKXL04.4NJ1
Perkins Engines Co. Ltd.	BPKXL04.4NJ2
Perkins Engines Co. Ltd.	BPKXL04.4NL1
Perkins Engines Co. Ltd.	BPKXL04.4NM1
Perkins Engines Co. Ltd.	BPKXL04.4NM2
Perkins Engines Co. Ltd.	BPKXL06.6PJ1
Perkins Engines Co. Ltd.	BPKXL06.6PJ2
Perkins Engines Co. Ltd.	BPKXL06.6PJ3
Perkins Engines Co. Ltd.	BPKXL12.5TAG
Perkins Engines Co. Ltd.	BPKXL15.2TA2
Perkins Engines Co. Ltd.	BPKXL15.2TAG

Manufacturer	Engine Family
Perkins Engines Co. Ltd.	BPKXL18.1TAG

Model Year 2012 Engines

Manufacturer	Engine Family
AB Volvo Penta	CVPXL16.1ACB
AB Volvo Penta	CVPXL16.1ACW
Caterpillar Inc.	CCPXL08.8NZS
Caterpillar Inc.	CCPXL106.NZS
Caterpillar Inc.	CCPXL15.2NYS
Caterpillar Inc.	CCPXL15.2NZS
Caterpillar Inc.	CCPXL18.1NYS
Caterpillar Inc.	CCPXL27.0NZS
Caterpillar Inc.	CCPXL32.0NZS
Caterpillar Inc.	CCPXL78.1NZS
Cummins Inc.	CCEXL015.AAJ
Cummins Inc.	CCEXL023.AAB
Cummins Inc.	CCEXL0275AAK
Cummins Inc.	CCEXL030.AAD
Cummins Inc.	CCEXL0409AAB
Cummins Inc.	CCEXL0409AAC
Cummins Inc.	CCEXL0409AAD
Cummins Inc.	CCEXL050.AAD
Cummins Inc.	CCEXL0540AAB
Cummins Inc.	CCEXL060.AAD
Cummins Inc.	CCEXL0661AAH
Deere & Company	CJDXL04.5119
Deere & Company	CJDXL04.5141
Deere & Company	CJDXL06.8120
Deere & Company	CJDXL09.0114
Deere & Company	CJDXL13.5132
Detroit Diesel Corporation	CDDXL14.0WLD
FPT Industrial S.p.A.	CFPXL06.7DGB
FPT Industrial S.p.A.	CFPXL06.7DGS
HD Construction Equipment Co., Ltd.	CDICL18.3USA
HD Construction Equipment Co., Ltd.	CDICL21.9UYA
KUKJE MACHINERY CO., LTD	CKMCL3.41D43
Komatsu Ltd.	CKLXL23.2FD5

Manufacturer	Engine Family
Kubota Corporation	CKBXL03.6BAC
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	CMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	CMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	CMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	CMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	CMVXL65.4BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	CMVXL65.4BBB
Perkins Engines Co Ltd	CPKXL04.4NH1
Perkins Engines Co Ltd	CPKXL04.4NJ1
Perkins Engines Co Ltd	CPKXL06.6PJ1
Perkins Engines Co Ltd	CPKXL12.5TAG
Perkins Engines Co Ltd	CPKXL15.2TA2
Perkins Engines Co Ltd	CPKXL15.2TAG
Perkins Engines Co Ltd	CPKXL18.1TAG
Rolls-Royce Solutions America Inc	CMDDL14.0ZWK
Rolls-Royce Solutions America Inc	CMDDL21.0ZWR
Rolls-Royce Solutions America Inc	CMDDL31.8XRR
Rolls-Royce Solutions America Inc	CMDDL35.8GRR
Rolls-Royce Solutions America Inc	CMDDL95.4XTR

Model Year 2013 Engines

Manufacturer	Engine Family
AB Volvo Penta	DVPXL16.1ACB
AB Volvo Penta	DVPXL16.1ACW
Caterpillar Inc.	DCPXL08.8NZS
Caterpillar Inc.	DCPXL106.NZS
Caterpillar Inc.	DCPXL15.2NYS
Caterpillar Inc.	DCPXL15.2NZS
Caterpillar Inc.	DCPXL18.1NYS
Caterpillar Inc.	DCPXL27.0NZS
Caterpillar Inc.	DCPXL32.0NZS
Caterpillar Inc.	DCPXL78.1NZS
Cummins Inc.	DCEXL015.AAJ
Cummins Inc.	DCEXL023.AAB
Cummins Inc.	DCEXL0275AAK
Cummins Inc.	DCEXL030.AAD
Cummins Inc.	DCEXL0409AAB

Manufacturer	Engine Family
Cummins Inc.	DCEXL0409AAC
Cummins Inc.	DCEXL0409AAD
Cummins Inc.	DCEXL050.AAD
Cummins Inc.	DCEXL0540AAB
Cummins Inc.	DCEXL060.AAD
Cummins Inc.	DCEXL0661AAH
Deere & Company	DJDXL04.5119
Deere & Company	DJDXL04.5141
Deere & Company	DJDXL06.8120
Deere & Company	DJDXL09.0114
Deere & Company	DJDXL13.5132
Detroit Diesel Corporation	DDDXL14.0WLD
FPT Industrial S.p.A.	DFPXL06.7DGB
FPT Industrial S.p.A.	DFPXL06.7DGS
HD Construction Equipment Co., Ltd.	DDICL18.3USA
HD Construction Equipment Co., Ltd.	DDICL21.9UYA
KUKJE MACHINERY CO., LTD	DKMCL3.41D43
Komatsu Ltd.	DKLXL23.2FD5
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	DMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	DMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	DMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	DMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	DMVXL65.4BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	DMVXL65.4BBB
Perkins Engines Co Ltd	DPKXL04.4NH1
Perkins Engines Co Ltd	DPKXL04.4NJ1
Perkins Engines Co Ltd	DPKXL06.6PJ1
Perkins Engines Co Ltd	DPKXL12.5TAG
Perkins Engines Co Ltd	DPKXL15.2TA2
Perkins Engines Co Ltd	DPKXL15.2TAG
Perkins Engines Co Ltd	DPKXL18.1TAG
Rolls-Royce Solutions America Inc	DMDDL14.0ZWK
Rolls-Royce Solutions America Inc	DMDDL21.0ZWR
Rolls-Royce Solutions America Inc	DMDDL31.8XRR
Rolls-Royce Solutions America Inc	DMDDL35.8GRR
Rolls-Royce Solutions America Inc	DMDDL95.4XTR

Model Year 2014 Engines

Manufacturer	Engine Family
AB Volvo Penta	EVPXL16.1ACB
AB Volvo Penta	EVPXL16.1ACW
Caterpillar Inc.	ECPXL08.8NZS
Caterpillar Inc.	ECPXL106.NZS
Caterpillar Inc.	ECPXL12.5NYS
Caterpillar Inc.	ECPXL15.2NYS
Caterpillar Inc.	ECPXL15.2NZS
Caterpillar Inc.	ECPXL18.1NYS
Caterpillar Inc.	ECPXL27.0NZS
Caterpillar Inc.	ECPXL32.0NZS
Caterpillar Inc.	ECPXL78.1NZS
Cummins Inc.	ECEXL015.AAJ
Cummins Inc.	ECEXL023.AAB
Cummins Inc.	ECEXL0275AAK
Cummins Inc.	ECEXL030.AAD
Cummins Inc.	ECEXL0409AAB
Cummins Inc.	ECEXL0409AAC
Cummins Inc.	ECEXL0409AAD
Cummins Inc.	ECEXL050.AAD
Cummins Inc.	ECEXL0540AAB
Cummins Inc.	ECEXL060.AAD
Cummins Inc.	ECEXL0661AAH
Cummins Inc.	ECEXL13.0AAA
Deere & Company	EJDXL04.5119
Deere & Company	EJDXL04.5141
Deere & Company	EJDXL04.5214
Deere & Company	EJDXL06.8105
Deere & Company	EJDXL06.8120
Deere & Company	EJDXL09.0114
Deere & Company	EJDXL13.5132
Deere & Company	EJDXL13.5146
Detroit Diesel Corporation	EDDXL14.0WLD
FPT Industrial S.p.A.	EFPXL06.7DGB
FPT Industrial S.p.A.	EFPXL06.7DGS
HD Construction Equipment Co., Ltd.	EDICL18.3USA
HD Construction Equipment Co., Ltd.	EDICL21.9UYA

Manufacturer	Engine Family
KUKJE MACHINERY CO., LTD	EKMCL3.41D43
Komatsu Ltd.	EKLXL23.2FD5
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	EMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	EMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	EMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	EMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	EMVXL65.4BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	EMVXL65.4BBB
Perkins Engines Co Ltd	EPKXL04.4NJ1
Perkins Engines Co Ltd	EPKXL06.6PJ1
Perkins Engines Co Ltd	EPKXL07.0PW1
Rolls-Royce Solutions America Inc	EMDDL14.0ZWK
Rolls-Royce Solutions America Inc	EMDDL21.0ZWR
Rolls-Royce Solutions America Inc	EMDDL31.8XRR
Rolls-Royce Solutions America Inc	EMDDL35.8GRR
Rolls-Royce Solutions America Inc	EMDDL95.4XTR

Model Year 2015 Engines

Manufacturer	Engine Family
AB Volvo Penta	FVPXL16.1ACB
AB Volvo Penta	FVPXL16.1ACW
Caterpillar Inc.	FCPXL08.8NZS
Caterpillar Inc.	FCPXL106.NZS
Caterpillar Inc.	FCPXL12.5NYS
Caterpillar Inc.	FCPXL15.2NYS
Caterpillar Inc.	FCPXL15.2NZS
Caterpillar Inc.	FCPXL18.1NYS
Caterpillar Inc.	FCPXL27.0NZS
Caterpillar Inc.	FCPXL32.0NZS
Caterpillar Inc.	FCPXL78.1NZS
Cummins Inc.	FCEXL015.AAJ
Cummins Inc.	FCEXL023.AAB
Cummins Inc.	FCEXL0275AAK
Cummins Inc.	FCEXL030.AAD
Cummins Inc.	FCEXL0409AAB
Cummins Inc.	FCEXL0409AAC
Cummins Inc.	FCEXL0409AAD

Manufacturer	Engine Family
Cummins Inc.	FCEXL050.AAD
Cummins Inc.	FCEXL0540AAB
Cummins Inc.	FCEXL060.AAD
Cummins Inc.	FCEXL0661AAH
Cummins Inc.	FCEXL13.0AAA
Cummins Inc.	FCEXL95.0AAA
Deere & Company	FJDXL04.5119
Deere & Company	FJDXL04.5141
Deere & Company	FJDXL04.5214
Deere & Company	FJDXL06.8120
Deere & Company	FJDXL09.0114
Deere & Company	FJDXL13.5132
Deere & Company	FJDXL13.5146
Detroit Diesel Corporation	FDDXL14.0WLD
FPT Industrial S.p.A.	FFPXL06.7DGB
FPT Industrial S.p.A.	FFPXL06.7DGS
KUKJE MACHINERY CO., LTD	FKMCL3.41D43
Komatsu Ltd.	FKLXL23.2FD5
Mercedes Benz	FMBXL07.2RJC
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	FMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	FMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	FMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	FMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	FMVXL65.4BBA
Perkins Engines Co Ltd	FPKXL04.4NJ1
Perkins Engines Co Ltd	FPKXL04.4NP1
Perkins Engines Co Ltd	FPKXL06.6PJ1
Perkins Engines Co Ltd	FPKXL07.0PW1
Rolls-Royce Solutions America Inc	FMDDL14.0ZWK
Rolls-Royce Solutions America Inc	FMDDL21.0ZWR
Rolls-Royce Solutions America Inc	FMDDL31.8XRR
Rolls-Royce Solutions America Inc	FMDDL35.8GRR
Rolls-Royce Solutions America Inc	FMDDL40.1GNR
Rolls-Royce Solutions America Inc	FMDDL95.4XTR

Model Year 2016 Engines

Manufacturer	Engine Family
AB Volvo Penta	GVPXL16.1ACB
AB Volvo Penta	GVPXL16.1ACW
Caterpillar Inc.	GCPXL08.8NZS
Caterpillar Inc.	GCPXL106.NZS
Caterpillar Inc.	GCPXL12.5NYS
Caterpillar Inc.	GCPXL15.2NYS
Caterpillar Inc.	GCPXL15.2NZS
Caterpillar Inc.	GCPXL18.1NYS
Caterpillar Inc.	GCPXL27.0NZS
Caterpillar Inc.	GCPXL32.0NZS
Caterpillar Inc.	GCPXL78.1NZS
Cummins Inc.	GCEXL015.AAJ
Cummins Inc.	GCEXL023.AAB
Cummins Inc.	GCEXL0275AAK
Cummins Inc.	GCEXL030.AAD
Cummins Inc.	GCEXL0409AAB
Cummins Inc.	GCEXL0409AAC
Cummins Inc.	GCEXL0409AAD
Cummins Inc.	GCEXL050.AAD
Cummins Inc.	GCEXL0540AAB
Cummins Inc.	GCEXL060.AAD
Cummins Inc.	GCEXL0661AAH
Cummins Inc.	GCEXL13.0AAA
Cummins Inc.	GCEXL95.0AAA
Deere & Company	GJDXL02.9142
Deere & Company	GJDXL04.5119
Deere & Company	GJDXL04.5141
Deere & Company	GJDXL04.5214
Deere & Company	GJDXL06.8120
Deere & Company	GJDXL09.0114
Deere & Company	GJDXL13.5132
Deere & Company	GJDXL13.5146
Detroit Diesel Corporation	GDDXL14.0WLD
FPT Industrial S.p.A.	GFPXL06.7DGB
FPT Industrial S.p.A.	GFPXL06.7DGS
KUKJE MACHINERY CO., LTD	GKMCL3.41D43

Manufacturer	Engine Family
Kubota Corporation	GKBXL03.6BAC
Liebherr Machines Bulle SA	GLHAL45.0ESP
Mercedes Benz	GMBXL07.2RJC
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	GMVXL03.3AAJ
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	GMVXL03.3CBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	GMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	GMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	GMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	GMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	GMVXL65.4BBA
Perkins Engines Co Ltd	GPKXL04.4NH1
Perkins Engines Co Ltd	GPKXL04.4NJ1
Perkins Engines Co Ltd	GPKXL04.4NP1
Perkins Engines Co Ltd	GPKXL04.4NR1
Perkins Engines Co Ltd	GPKXL07.0PW1
Rolls-Royce Solutions America Inc	GMDDL14.0ZWK
Rolls-Royce Solutions America Inc	GMDDL21.0ZWR
Rolls-Royce Solutions America Inc	GMDDL31.8XRR
Rolls-Royce Solutions America Inc	GMDDL35.8GRR
Rolls-Royce Solutions America Inc	GMDDL40.1GNR
Rolls-Royce Solutions America Inc	GMDDL95.4GTR

Model Year 2017 Engines

Manufacturer	Engine Family
AB Volvo Penta	HVPXL16.1ACB
AB Volvo Penta	HVPXL16.1ACW
Caterpillar Inc.	HCPXL08.8NZS
Caterpillar Inc.	HCPXL106.NZS
Caterpillar Inc.	HCPXL12.5NYS
Caterpillar Inc.	HCPXL15.2NYS
Caterpillar Inc.	HCPXL15.2NZS
Caterpillar Inc.	HCPXL18.1NYS
Caterpillar Inc.	HCPXL27.0NZS
Caterpillar Inc.	HCPXL32.0NZS
Caterpillar Inc.	HCPXL78.1NZS
Cummins Inc.	HCEXL015.AAJ
Cummins Inc.	HCEXL023.AAB

Manufacturer	Engine Family
Cummins Inc.	HCEXL0275AAK
Cummins Inc.	HCEXL030.AAD
Cummins Inc.	HCEXL0409AAB
Cummins Inc.	HCEXL0409AAC
Cummins Inc.	HCEXL0409AAD
Cummins Inc.	HCEXL050.AAD
Cummins Inc.	HCEXL0540AAB
Cummins Inc.	HCEXL060.AAD
Cummins Inc.	HCEXL0661AAH
Cummins Inc.	HCEXL95.0AAA
Deere & Company	HJDXL02.9142
Deere & Company	HJDXL04.5119
Deere & Company	HJDXL04.5141
Deere & Company	HJDXL04.5214
Deere & Company	HJDXL06.8120
Deere & Company	HJDXL09.0114
Deere & Company	HJDXL13.5132
Deere & Company	HJDXL13.5146
Detroit Diesel Corporation	HDDXL14.0WLD
FPT Industrial S.p.A.	HFPXL06.7DGB
FPT Industrial S.p.A.	HFPXL06.7DGS
KUKJE MACHINERY CO., LTD	HKMCL3.41D43
Kubota Corporation	HKBXL03.6BAC
Liebherr Machines Bulle SA	HLHAL103.ESP
Liebherr Machines Bulle SA	HLHAL45.0ESP
Mercedes Benz	HMBXL07.2RJC
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	HMVXL03.3AAJ
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	HMVXL03.3CBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	HMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	HMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	HMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	HMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	HMVXL65.4BBA
Perkins Engines Co Ltd	HPKXL04.4NP1
Perkins Engines Co Ltd	HPKXL04.4NR1
Perkins Engines Co Ltd	HPKXL07.0PW1
Rolls-Royce Solutions America Inc	HMDDL14.0ZWK

Manufacturer	Engine Family
Rolls-Royce Solutions America Inc	HMDDL21.0ZWR
Rolls-Royce Solutions America Inc	HMDDL35.8GRR
Rolls-Royce Solutions America Inc	HMDDL40.1GNR
Rolls-Royce Solutions America Inc	HMDDL95.4GTR

Model Year 2018 Engines

Manufacturer	Engine Family
AB Volvo Penta	JVPXL16.1ACB
AB Volvo Penta	JVPXL16.1ACW
Caterpillar Inc.	JCPXL08.8NZS
Caterpillar Inc.	JCPXL106.NZS
Caterpillar Inc.	JCPXL12.5NYS
Caterpillar Inc.	JCPXL15.2NYS
Caterpillar Inc.	JCPXL15.2NZS
Caterpillar Inc.	JCPXL18.1NYS
Caterpillar Inc.	JCPXL27.0NZS
Caterpillar Inc.	JCPXL32.0NZS
Caterpillar Inc.	JCPXL78.1NZS
Cummins Inc.	JCEXL015.AAJ
Cummins Inc.	JCEXL023.AAB
Cummins Inc.	JCEXL0275AAK
Cummins Inc.	JCEXL030.AAD
Cummins Inc.	JCEXL0409AAB
Cummins Inc.	JCEXL0409AAC
Cummins Inc.	JCEXL0409AAD
Cummins Inc.	JCEXL050.AAD
Cummins Inc.	JCEXL0540AAB
Cummins Inc.	JCEXL060.AAD
Cummins Inc.	JCEXL0661AAH
Cummins Inc.	JCEXL95.0AAA
Deere & Company	JJDXL02.9142
Deere & Company	JJDXL04.5119
Deere & Company	JJDXL04.5141
Deere & Company	JJDXL04.5214
Deere & Company	JJDXL06.8120
Deere & Company	JJDXL09.0114
Deere & Company	JJDXL13.5132

Manufacturer	Engine Family
Deere & Company	JJDXL13.5146
FPT Industrial S.p.A.	JFPXL06.7DGB
FPT Industrial S.p.A.	JFPXL06.7DGS
KUKJE MACHINERY CO., LTD	JKMCL3.41D43
Kubota Corporation	JKBXL03.6BAC
Liebherr Machines Bulle SA	JLHAL103.ESP
Liebherr Machines Bulle SA	JLHAL45.0ESP
Mercedes Benz	JMBXL07.2RJC
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	JMVXL03.3AAJ
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	JMVXL03.3CBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	JMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	JMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	JMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	JMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	JMVXL65.4BBA
Perkins Engines Co Ltd	JPKXL04.4NP1
Perkins Engines Co Ltd	JPKXL04.4NR1
Perkins Engines Co Ltd	JPKXL07.0PW1
Rolls-Royce Solutions America Inc	JMDDL14.0ZWK
Rolls-Royce Solutions America Inc	JMDDL21.0ZWR
Rolls-Royce Solutions America Inc	JMDDL35.8GRR
Rolls-Royce Solutions America Inc	JMDDL40.1GNR
Rolls-Royce Solutions America Inc	JMDDL95.4GTR

Model Year 2019 Engines

Manufacturer	Engine Family
AB Volvo Penta	KVPXL16.1ACB
AB Volvo Penta	KVPXL16.1ACC
AB Volvo Penta	KVPXL16.1ACW
Caterpillar Inc.	KCPXL08.8NZS
Caterpillar Inc.	KCPXL106.NZS
Caterpillar Inc.	KCPXL12.5NYS
Caterpillar Inc.	KCPXL15.2NYS
Caterpillar Inc.	KCPXL15.2NZS
Caterpillar Inc.	KCPXL18.1NYS
Caterpillar Inc.	KCPXL27.0NZS
Caterpillar Inc.	KCPXL32.0NZS

Manufacturer	Engine Family
Caterpillar Inc.	KCPXL78.1NZS
Cummins Inc.	KCEXL015.AAJ
Cummins Inc.	KCEXL023.AAB
Cummins Inc.	KCEXL0275AAK
Cummins Inc.	KCEXL030.AAD
Cummins Inc.	KCEXL0409AAB
Cummins Inc.	KCEXL0409AAC
Cummins Inc.	KCEXL0409AAD
Cummins Inc.	KCEXL050.AAD
Cummins Inc.	KCEXL0540AAB
Cummins Inc.	KCEXL060.AAD
Cummins Inc.	KCEXL0661AAH
Cummins Inc.	KCEXL95.0AAA
Deere & Company	KJDXL02.9142
Deere & Company	KJDXL04.5119
Deere & Company	KJDXL04.5141
Deere & Company	KJDXL04.5214
Deere & Company	KJDXL06.8120
Deere & Company	KJDXL09.0114
Deere & Company	KJDXL13.5132
Deere & Company	KJDXL13.5146
FPT Industrial S.p.A.	KFPXL06.7DGB
FPT Industrial S.p.A.	KFPXL06.7DGS
FPT Industrial S.p.A.	KFPXL08.7TR3
FPT Industrial S.p.A.	KFPXL10.3TR3
FPT Industrial S.p.A.	KFPXL12.9IGR
KUKJE MACHINERY CO., LTD	KKMCL3.41D43
Kubota Corporation	KKBXL03.6BAC
Liebherr Machines Bulle SA	KLHAL103.ESP
Liebherr Machines Bulle SA	KLHAL45.0ESP
Mercedes Benz	KMBXL07.2RJC
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	KMVXL03.3AAJ
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	KMVXL03.3CBB
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	KMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	KMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	KMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	KMVXL49.0BBA

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

Model Year 2020 Engines

Manufacturer	Engine Family
AB Volvo Penta	LVPXL16.1ACC
AB Volvo Penta	LVPXL16.1ACW
Caterpillar Inc.	LCPXL08.8NZS
Caterpillar Inc.	LCPXL106.NZS
Caterpillar Inc.	LCPXL12.5NYS
Caterpillar Inc.	LCPXL15.2NYS
Caterpillar Inc.	LCPXL15.2NZS
Caterpillar Inc.	LCPXL18.1NYS
Caterpillar Inc.	LCPXL27.0NZS
Caterpillar Inc.	LCPXL32.0NZS
Caterpillar Inc.	LCPXL78.1NZS
Cummins Inc.	LCEXL015.AAJ
Cummins Inc.	LCEXL023.AAB
Cummins Inc.	LCEXL0275AAK
Cummins Inc.	LCEXL030.AAD
Cummins Inc.	LCEXL0409AAB
Cummins Inc.	LCEXL0409AAC
Cummins Inc.	LCEXL0409AAD
Cummins Inc.	LCEXL050.AAD
Cummins Inc.	LCEXL0540AAB
Cummins Inc.	LCEXL060.AAD
Cummins Inc.	LCEXL0661AAH
Cummins Inc.	LCEXL13.0AAA
Cummins Inc.	LCEXL95.0AAA
Deere & Company	LJDXL02.9142

Manufacturer	Engine Family
Deere & Company	LJDXL04.5119
Deere & Company	LJDXL04.5141
Deere & Company	LJDXL04.5214
Deere & Company	LJDXL06.8120
Deere & Company	LJDXL09.0114
Deere & Company	LJDXL13.5132
Deere & Company	LJDXL13.5146
FPT Industrial S.p.A.	LFPXL04.5DTD
FPT Industrial S.p.A.	LFPXL06.7DGB
FPT Industrial S.p.A.	LFPXL06.7DGS
FPT Industrial S.p.A.	LFPXL06.7LIM
FPT Industrial S.p.A.	LFPXL08.7TR3
FPT Industrial S.p.A.	LFPXL10.3TR3
FPT Industrial S.p.A.	LFPXL12.9IGR
KUKJE MACHINERY CO., LTD	LKMCL3.41D43
Kubota Corporation	LKBXL03.6BAC
Liebherr Machines Bulle SA	LLHAL103.ESP
Liebherr Machines Bulle SA	LLHAL45.0ESP
Mercedes Benz	LMBXL07.2RJC
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	LMVXL03.3AAJ
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	LMVXL03.3CBB
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	LMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	LMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	LMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	LMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	LMVXL65.4BBA
Perkins Engines Co Ltd	LPKXL04.4NP1
Perkins Engines Co Ltd	LPKXL04.4NR1
Perkins Engines Co Ltd	LPKXL07.0PW1
Rolls-Royce Solutions America Inc	LMDDL14.0ZWK
Rolls-Royce Solutions America Inc	LMDDL21.0ZWR
Rolls-Royce Solutions America Inc	LMDDL35.8GRR
Rolls-Royce Solutions America Inc	LMDDL40.1GNR
Rolls-Royce Solutions America Inc	LMDDL95.4GTR
Rolls-Royce Solutions America Inc	LMDDL95.4GTZ
Weichai Power Co., Ltd.	LWEHL52.3EMS

Model Year 2021 Engines

Manufacturer	Engine Family
AB Volvo Penta	MVPXL16.1ACC
AB Volvo Penta	MVPXL16.1ACW
Caterpillar Inc.	MCPXL08.8NZS
Caterpillar Inc.	MCPXL106.NZS
Caterpillar Inc.	MCPXL12.5NYS
Caterpillar Inc.	MCPXL15.2NYS
Caterpillar Inc.	MCPXL15.2NZS
Caterpillar Inc.	MCPXL18.1NYS
Caterpillar Inc.	MCPXL27.0NZS
Caterpillar Inc.	MCPXL32.0NZS
Caterpillar Inc.	MCPXL78.1NZS
Cummins Inc.	MCEXL015.AAJ
Cummins Inc.	MCEXL023.AAB
Cummins Inc.	MCEXL0275AAK
Cummins Inc.	MCEXL030.AAD
Cummins Inc.	MCEXL0409AAB
Cummins Inc.	MCEXL0409AAC
Cummins Inc.	MCEXL0409AAD
Cummins Inc.	MCEXL050.AAD
Cummins Inc.	MCEXL0540AAB
Cummins Inc.	MCEXL060.AAD
Cummins Inc.	MCEXL0661AAH
Cummins Inc.	MCEXL13.0AAA
Cummins Inc.	MCEXL95.0AAA
Deere & Company	MJDXL02.9142
Deere & Company	MJDXL04.5119
Deere & Company	MJDXL04.5141
Deere & Company	MJDXL04.5214
Deere & Company	MJDXL06.8120
Deere & Company	MJDXL09.0114
Deere & Company	MJDXL13.5132
Deere & Company	MJDXL13.5146
FPT Industrial S.p.A.	MFPXL04.5DTD
FPT Industrial S.p.A.	MFPXL06.7DGB
FPT Industrial S.p.A.	MFPXL06.7DGS
FPT Industrial S.p.A.	MFPXL06.7LIM

Manufacturer	Engine Family
FPT Industrial S.p.A.	MFPXL08.7TR3
FPT Industrial S.p.A.	MFPXL10.3TR3
FPT Industrial S.p.A.	MFPXL12.9IGR
KUKJE MACHINERY CO., LTD	MKMCL3.41D43
Liebherr Machines Bulle SA	MLHAL103.ESP
Liebherr Machines Bulle SA	MLHAL45.0ESP
Mercedes Benz	MMBXL07.2RJC
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	MMVXL03.3AAJ
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	MMVXL03.3CBB
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	MMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	MMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	MMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	MMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	MMVXL65.4BBA
Perkins Engines Co Ltd	MPKXL04.4NP1
Perkins Engines Co Ltd	MPKXL04.4NR1
Perkins Engines Co Ltd	MPKXL07.0PW1
Rolls-Royce Solutions America Inc	MMDDL14.0ZWK
Rolls-Royce Solutions America Inc	MMDDL21.0ZWR
Rolls-Royce Solutions America Inc	MMDDL40.1GNR
Rolls-Royce Solutions America Inc	MMDDL95.4GTZ
Weichai Power Co., Ltd.	MWEHL52.3EMS

Model Year 2022 Engines

Manufacturer	Engine Family
AB Volvo Penta	NVPXL07.7BDA
AB Volvo Penta	NVPXL16.1ACC
AB Volvo Penta	NVPXL16.1ACW
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

Manufacturer	Engine Family
Caterpillar Inc.	NCPXL45.8NZS
Caterpillar Inc.	NCPXL78.1NZS
Cummins Inc.	NCEXL015.AAH
Cummins Inc.	NCEXL015.AAJ
Cummins Inc.	NCEXL023.AAB
Cummins Inc.	NCEXL0275AAK
Cummins Inc.	NCEXL030.AAD
Cummins Inc.	NCEXL0409AAB
Cummins Inc.	NCEXL0409AAC
Cummins Inc.	NCEXL0409AAD
Cummins Inc.	NCEXL050.AAD
Cummins Inc.	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
FPT Industrial S.p.A.	NFPXL04.5DTD
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
HD Construction Equipment Co., Ltd.	NDICL21.9LBG
KUKJE MACHINERY CO., LTD	NKMCL3.41D43
Liebherr Machines Bulle SA	NLHAL103.E9P
Liebherr Machines Bulle SA	NLHAL103.ESP
Liebherr Machines Bulle SA	NLHAL18.0ESP

Manufacturer	Engine Family
Liebherr Machines Bulle SA	NLHAL45.0ESP
Mercedes Benz	NMBXL07.2RJC
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	NMVXL03.3AAJ
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	NMVXL03.3CBB
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	NMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	NMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	NMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	NMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	NMVXL65.4BBA
Perkins Engines Co Ltd	NPKXL04.4NP1
Perkins Engines Co Ltd	NPKXL04.4NR1
Perkins Engines Co Ltd	NPKXL07.0PW1
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
Weichai Power Co., Ltd.	NWEHL52.3EMS

Model Year 2023 Engines

Manufacturer	Engine Family
AB Volvo Penta	PVPXL07.7BDA
AB Volvo Penta	PVPXL12.8BCA
AB Volvo Penta	PVPXL16.1ACC
AB Volvo Penta	PVPXL16.1ACW
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
Cummins Inc.	PCEXL015.AAH
Cummins Inc.	PCEXL015.AAJ
Cummins Inc.	PCEXL023.AAB

Manufacturer	Engine Family
Cummins Inc.	PCEXL0275AAK
Cummins Inc.	PCEXL030.AAD
Cummins Inc.	PCEXL0409AAB
Cummins Inc.	PCEXL0409AAC
Cummins Inc.	PCEXL0409AAD
Cummins Inc.	PCEXL050.AAD
Cummins Inc.	PCEXL0540AAB
Cummins Inc.	PCEXL060.AAD
Cummins Inc.	PCEXL0661AAH
Cummins Inc.	PCEXL13.0AAA
Cummins Inc.	PCEXL95.0AAA
Daimler Truck AG	PDTAL07.2RJC
Deere & Company	PJDXL02.9142
Deere & Company	PJDXL04.5119
Deere & Company	PJDXL04.5141
Deere & Company	PJDXL04.5214
Deere & Company	PJDXL06.8120
Deere & Company	PJDXL09.0114
Deere & Company	PJDXL13.5132
Deere & Company	PJDXL13.5146
FPT Industrial S.p.A.	PFPXL04.5DTD
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
HD Construction Equipment Co., Ltd.	PDICL11.0LCG
HD Construction Equipment 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	PLHAL45.0ESP
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	PMVXL03.3AAJ
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	PMVXL03.3CBB
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	PMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	PMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	PMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	PMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	PMVXL65.4BBA
Perkins Engines Co Ltd	PPKXL04.4NP1
Perkins Engines Co Ltd	PPKXL04.4NR1

Manufacturer	Engine Family
Perkins Engines Co Ltd	PPKXL07.0PW1
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 Co., Ltd.	PWEHL52.3EMS

Model Year 2024 Engines

Manufacturer	Engine Family
AB Volvo Penta	RVPXL07.7BDA
AB Volvo Penta	RVPXL12.8BCA
AB Volvo Penta	RVPXL16.1ACC
AB Volvo Penta	RVPXL16.1ACW
AB Volvo Penta	RVPXL17.3ADA
Caterpillar Inc.	RCPXL08.8NZS
Caterpillar Inc.	RCPXL106.NZS
Caterpillar Inc.	RCPXL12.5NYS
Caterpillar Inc.	RCPXL15.2NYS
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
Cummins Inc.	RCEXL015.AAH
Cummins Inc.	RCEXL015.AAJ
Cummins Inc.	RCEXL023.AAB
Cummins Inc.	RCEXL0275AAK
Cummins Inc.	RCEXL030.AAD
Cummins Inc.	RCEXL0409AAB
Cummins Inc.	RCEXL0409AAC
Cummins Inc.	RCEXL0409AAD
Cummins Inc.	RCEXL050.AAD
Cummins Inc.	RCEXL0540AAB
Cummins Inc.	RCEXL060.AAD
Cummins Inc.	RCEXL0661AAH
Cummins Inc.	RCEXL13.0AAA

Manufacturer	Engine Family
Cummins Inc.	RCEXL95.0AAA
Daimler Truck AG	RD TAL07.2RJC
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
FPT Industrial S.p.A.	RFPXL04.5DTD
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
FPT Industrial S.p.A.	RFPXL12.9IGR
HD Construction Equipment Co., Ltd.	RDICL11.0LCG
HD Construction Equipment Co., Ltd.	RDICL21.9LBG
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
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	RMVXL03.3AAJ
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	RMVXL03.3CBB
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	RMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	RMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	RMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	RMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	RMVXL65.4BBA
Perkins Engines Co Ltd	RPKXL04.4NP1
Perkins Engines Co Ltd	RPKXL04.4NR1
Perkins Engines Co Ltd	RPKXL07.0PW1
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
TYM Corporation	RTYCL3.41D43

Manufacturer	Engine Family
Weichai Power Co., Ltd.	RWEHL52.3EMS

Model Year 2025 Engines

Manufacturer	Engine Family
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 Inc.	SCPXL08.8NZS
Caterpillar Inc.	SCPXL106.NZS
Caterpillar Inc.	SCPXL12.5NYS
Caterpillar Inc.	SCPXL15.2NYS
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
Cummins Inc.	SCEXL015.AAJ
Cummins Inc.	SCEXL023.AAB
Cummins Inc.	SCEXL0275AAK
Cummins Inc.	SCEXL030.AAD
Cummins Inc.	SCEXL0409AAD
Cummins Inc.	SCEXL050.AAD
Cummins Inc.	SCEXL0540AAB
Cummins Inc.	SCEXL060.AAD
Cummins Inc.	SCEXL95.0AAA
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
FPT Industrial S.p.A.	SFPXL04.5DTD
FPT Industrial S.p.A.	SFPXL06.7DGB
FPT Industrial S.p.A.	SFPXL06.7DGS
FPT Industrial S.p.A.	SFPXL06.7LIM
FPT Industrial S.p.A.	SFPXL08.7TR3

Manufacturer	Engine Family
FPT Industrial S.p.A.	SFPXL10.3TR3
FPT Industrial S.p.A.	SFPXL12.9IGR
HD Construction Equipment Co., Ltd.	SDICL11.0LCG
HD Construction Equipment Co., Ltd.	SDICL15.1LBA
HD Construction Equipment Co., Ltd.	SDICL15.1LBG
HD Construction Equipment 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, Ltd.	SMVXL03.3AAJ
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	SMVXL03.3CBB
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	SMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	SMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	SMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	SMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	SMVXL65.4BBA
Perkins Engines Co Ltd	SPKXL04.4NP1
Perkins Engines Co Ltd	SPKXL04.4NR1
Perkins Engines Co Ltd	SPKXL07.0PW1
Rolls-Royce Solutions America Inc	SMDDL21.0ZWR
Rolls-Royce Solutions America Inc	SMDDL22.4ZWR
Rolls-Royce Solutions America Inc	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 Co., Ltd.	SWEHL52.3EMS

Model Year 2026 Engines

Manufacturer	Engine Family
AB Volvo Penta	TVPXL07.7BDA
AB Volvo Penta	TVPXL12.8BCA
AB Volvo Penta	TVPXL16.1ACC
AB Volvo Penta	TVPXL16.1ACW
AB Volvo Penta	TVPXL17.3ADA
Caterpillar Inc.	TCPXL08.8NZS
Caterpillar Inc.	TCPXL106.NZS
Caterpillar Inc.	TCPXL12.5NYS
Caterpillar Inc.	TCPXL15.2NYS
Caterpillar Inc.	TCPXL15.2NZS
Caterpillar Inc.	TCPXL18.1NYS

Manufacturer	Engine Family
Caterpillar Inc.	TCPXL18.1NZS
Caterpillar Inc.	TCPXL27.0NZS
Caterpillar Inc.	TCPXL32.1NZS
Caterpillar Inc.	TCPXL61.1NZS
Caterpillar Inc.	TCPXL78.1NZS
Cummins Inc.	TCEXL015.AAH
Cummins Inc.	TCEXL015.AAJ
Cummins Inc.	TCEXL023.AAB
Cummins Inc.	TCEXL0275AAK
Cummins Inc.	TCEXL0275AAS
Cummins Inc.	TCEXL030.AAD
Cummins Inc.	TCEXL0409AAD
Cummins Inc.	TCEXL050.AAD
Cummins Inc.	TCEXL0540AAB
Cummins Inc.	TCEXL060.AAD
Cummins Inc.	TCEXL17.0AAA
Cummins Inc.	TCEXL95.0AAA
Deere & Company	TJDXL02.9142
Deere & Company	TJDXL04.5119
Deere & Company	TJDXL04.5141
Deere & Company	TJDXL04.5214
Deere & Company	TJDXL06.8120
Deere & Company	TJDXL09.0114
Discovery Energy, LLC.	TKHXL03.4EST
FPT Industrial S.p.A.	TFPXL06.7DGB
FPT Industrial S.p.A.	TFPXL06.7DGS
FPT Industrial S.p.A.	TFPXL06.7LIM
FPT Industrial S.p.A.	TFPXL08.7TR3
FPT Industrial S.p.A.	TFPXL10.3TR3
HD Construction Equipment Co., Ltd.	TDICL05.0LCG
HD Construction Equipment Co., Ltd.	TDICL07.5LCG
HD Construction Equipment Co., Ltd.	TDICL11.0LCG
HD Construction Equipment Co., Ltd.	TDICL15.1LBA
HD Construction Equipment Co., Ltd.	TDICL15.1LBG
HD Construction Equipment Co., Ltd.	TDICL21.9LBG
Kirloskar Americas Corporation	TKOEL3.24TAX
Kubota Corporation	TKBXL03.6BAC
Liebherr Machines Bulle SA	TLHAL103.E9P
Liebherr Machines Bulle SA	TLHAL103.ESP
Liebherr Machines Bulle SA	TLHAL18.0ESP
Liebherr Machines Bulle SA	TLHAL45.0ESP
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	TMVXL03.3AAJ

Manufacturer	Engine Family
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	TMVXL03.3CBB
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	TMVXL24.5BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	TMVXL33.9BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	TMVXL37.1BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	TMVXL49.0BBA
Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	TMVXL65.4BBA
Perkins Engines Co Ltd	TPKXL04.4NP1
Perkins Engines Co Ltd	TPKXL04.4NR1
Perkins Engines Co Ltd	TPKXL07.0PW1
Rolls-Royce Solutions America Inc	TMDDL21.0ZWR
Rolls-Royce Solutions America Inc	TMDDL22.4ZWR
Rolls-Royce Solutions America Inc	TMDDL40.1GNR
Rolls-Royce Solutions America Inc	TMDDL95.4GTZ
Societe Internationale des Moteurs-Baudouin	TMRBL109.EMS
Societe Internationale des Moteurs-Baudouin	TMRBL122.EMS
Societe Internationale des Moteurs-Baudouin	TMRBL65.4EMS