**Attachment 1: Verified MIRATECH® LTR™ DOC/DPF**
**Off-Road Certified Engine Family List**

Model Year 1996 Engines

| Manufacturer | Engine Families |
|---|---|
| Caterpillar | TCP14.RZDBRK |
| | TCP10.RZDBRD |
| Deutz AG | TDZ16.RGDARA |
| | TDZ16.RGDARB |
| | TDZ7.1R6DARA |
| | TDZ7.1R6DARB |
| Generac | TGN13.R6DARA |
| Komatsu | TKL11.RZDARB |
| Navistar | TNV466R6DARA |
| | TNV466R6DARB |
| | TNV466R6DASC |
| | TNV466R6DASD |
| | TNV530R6DARA |
| | TNV530R6DARB |
| | TNV530R6DASD |
| | TNV530R8DASC |

Model Year 1997 Engines

| Manufacturer | Engine Families |
|---|---|
| Caterpillar | VCP10.RZDARD |
| | VCP14.RZDARK |
| Deere | VJD10.RJDBRB |
| | VJD6.8R6DBRA |
| | VJD8.1R6DBRA |
| | VJD8.1RBDRB |
| Deutz AG | VDZ16.RGDARA |
| | VDZ16.RGDARB |
| | VDZ7.1R6DARA |
| | VDZ7.1R6DARB |
| Generac | VGN13.R6DARA |
| Navistar | VNV466R6DASC |
| | VNV466R6DASD |
| | VNV530R6DARB |
| | VNV530R6DASC |
| | VNV530R6DASD |

Model Year 1998 Engines

| Manufacturer | Engine Families |
|---|---|
| AB Volvo Penta | WVPXL09.6ACB |
| | WVPXL12.0ACB |
| Case | WX9XL0239ACA |
| | WX9XL0359ABA |
| | WX9XL0505ABA |
| | WX9XL0505ABB |
| | WX9XL0505ACA |
| Caterpillar | WCPXL07.0MRB |
| | WCPXL10.5MRD |
| | WCPXL10.5MRG |
| | WCPXL14.6ERK |
| | WCPXL14.6MRJ |
| Cummins | WCEXL019.AAA |
| | WCEXL0359ABA |
| | WCEXL0359ABB |
| | WCEXL0505ABA |
| | WCEXL0505ABB |
| | WCEXL0505ACA |
| | WCEXL0661AAA |
| | WCEXL0855AAA |
| | WCEXL0855AAB |
| Daewoo | WDWXL11.1BHT |
| | WDWXL11.1BIA |
| Detroit Diesel Corporation | VDDXL08.5TJD |
| | WDDXL09.0TFE |
| | WDDXL11.1THD |
| | WDDXL12.1TFE |
| | WDDXL12.1TFM |
| | WDDXL12.7TGD |
| | WDDXL15.9TRE |
| | WDDXL23.9TRE |
| Deere | WJDXL06.8012 |
| | WJDXL08.1007 |
| | WJDXL08.1008 |
| | WJDXL08.1009 |
| | WJDXL10.5003 |

Model Year 1998 Engines Continued

| Manufacturer | Engine Families |
|---|---|
| Deutz AG | WDZXL07.1003 |
| | WDZXL07.1004 |
| | WDZXL15.9001 |
| | WDZXL15.9002 |
| GMC | WGNXL13.3HTA |
| ISUZU | WSZXL06.4DTA |
| Komatsu | WKDXL0239AAA |
| | WKDXL0359ABA |
| | WKLXL11.0DB1 |
| | WKLXL11.0DC1 |
| | WKLXL15.2EB1 |
| | WKLXL23.2FC1 |
| | WKLXL7.15CB1 |
| | WKLXL7.15CC1 |
| MTU | WMUXL12.0G2V |
| Navistar | WNVXL0530BNB |
| | WNVXL0530BND |

Model Year 1999 Engines

| Manufacturer | Engine Families |
|---|---|
| AB Volvo Penta | XVPXL07.3ABB |
| | XVPXL07.3ACB |
| | XVPXL09.6ACB |
| | XVPXL12.0ACB |
| Case | XX9XL0239ACA |
| | XX9XL0359ABA |
| | XX9XL0505ABA |
| | XX9XL0505ABB |
| | XX9XL0505ACA |
| Caterpillar | XCPXL07.0MRB |
| | XCPXL10.5MRD |
| | XCPXL10.5MRG |
| | XCPXL14.6ERK |
| Cummins | XCEXL019.AAA |
| | XCEXL0359ABA |
| | XCEXL0505ABA |
| | XCEXL0505ABB |
| | XCEXL0505ACA |
| | XCEXL0661AAA |
| | XCEXL0855AAA |
| | XCEXL0855AAB |

Model Year 1999 Engines Continued

| Manufacturer | Engine Families |
|---|---|
| Daewoo | XDWXL03.3AMN |
| | XDWXL03.3BMN |
| | XDWXL03.3LMN |
| | XDWXL05.8AOA |
| | XDWXL05.8ARN |
| | XDWXL05.8ATT |
| | XDWXL08.1ACN |
| | XDWXL08.1ADT |
| | XDWXL11.1BIA |
| | XDWXL11.1BHT |
| | XDWXL11.1DJA |
| | XDWXL14.6AZA |
| | XDWXL14.6CVT |
| | XDWXL18.3ASA |
| Detroit Diesel Corporation | XDDXL08.5TJD |
| | XDDXL09.1TFE |
| | XDDXL11.1THD |
| | XDDXL12.1TFE |
| | XDDXL12.1TFM |
| | XDDXL12.7TGD |
| | XDDXL14.0TLD |
| | XDDXL15.9TRE |
| | XDDXL23.9TRE |
| Deere | XJDXL06.8012 |
| | XJDXL08.1007 |
| | XJDXL08.1008 |
| | XJDXL10.5022 |
| Deutz AG | XDZXL02.7014 |
| | XDZXL07.1005 |
| | XDZXL07.1004 |
| | XDZXL15.9002 |
| | XDZXL15.9003 |
| Generac | XGNXL13.3HTA |

Model Year 1999 Engines Continued

| Manufacturer | Engine Families |
|---|---|
| Komatsu | XKLXL03.3JA1 |
| | XKLXL11.0DB1 |
| | XKLXL11.0DC1 |
| | XKLXL15.2EC1 |
| | XKLXL23.2FC1 |
| | XKLXL7.15CB1 |
| | XKLXL7.15CC1 |
| | XKDXL0239ACA |
| | XKDXL0359ABA |
| | XKDXL0505ABB |
| | XKDXL0505ACA |
| KUBOTA | XKBXL03.3BAC |
| | XKBXL03.3BCC |
| Mitsubishi | XMTXL07.5D6C |
| | XMTXL11.9D6A |
| Navistar | XNVXL0466BNA |
| | XNVXL0530ANA |
| | XNVXL0530ANB |
| | XNVXL0530ANC |
| | XNVXL0530AND |
| | XNVXL0530BNA |
| | XNVXL0530BNB |
| | XNVXL0530BNC |
| | XNVXL0530BND |
| Yanmar | XYDXL2.00D4T |
| | XYDXL2.78D4N |
| | XYDXL4.41D4N |
| | XYDXL4.41D4T |

Model Year 2000 Engines

| Manufacturer | Engine Families |
|---|---|
| AB Volvo Penta | YVPXL07.3ABB |
| | YVPXL07.3ACB |
| | YVPXL09.6ACB |
| | YVPXL12.0ACB |
| Case | YX9XL0239ACA |
| | YX9XL0239ADA |
| | YX9XL0359ABA |
| | YX9XL0359ABB |
| | YX9XL0505ABA |
| | YX9XL0505ABB |
| | YX9XL0505ACA |
| Caterpillar | YCPXL07.0MRB |
| | YCPXL10.5MRD |
| | YCPXL10.5MRG |
| | YCPXL14.6ERK |
| | YCPXL27.0MRH |
| | YCPXL27.0MRS |
| | YCPXL34.5ERK |
| | YCPXL69.OERK |
| Cummins | YCEXL03.3AAA |
| | YCEXL03.3AAB |
| | YCEXL015.ABA |
| | YCEXL019.AAA |
| | YCEXL019.AAB |
| | YCEXL030.ABA |
| | YCEXL050.ABA |
| | YCEXL0239ACA |
| | YCEXL0239ADA |
| | YCEXL0359AAA |
| | YCEXL0359ABA |
| | YCEXL0359ABC |
| | YCEXL050.AAA |
| | YCEXL0505ABA |
| | YCEXL0505ABB |
| | YCEXL0505ACA |
| | YCEXL060.ABA |
| | YCEXL0661AAA |
| | YCEXL0855AAA |
| | YCEXL0855AAB |
| Deere | YJDXL06.8012 |
| | YJDXL08.1007 |
| | YJDXL08.1008 |
| | YJDXL10.5022 |

Model Year 2000 Engines Continued

| Manufacturer | Engine Families |
|---|---|
| Detroit Diesel Corporation | YDDXL08.5TJD |
| | YDDXL11.1THD |
| | YDDXL12.1TFE |
| | YDDXL12.1TFM |
| | YDDXL12.7TGD |
| | YDDXL14.0TLD |
| | YDDXL15.9TRE |
| | YDDXL23.9TRE |
| | YDDXL31.8VRE |
| | YDDXL65.0VTE |
| Deutz AG | YDZXL02.7014 |
| | YDZXL07.1004 |
| | YDZXL07.1005 |
| | YDZXL15.9002 |
| | YDZXL15.9003 |
| | YDZXL17.5001 |
| Genrac | YGNXL13.3HAA |
| | YGNXL13.3HTA |
| | YGNXL16.0MAA |
| Komatsu | YKLXL0505ACA |
| | YKLXL11.0DB1 |
| | YKLXL11.0DC1 |
| | YKLXL15.2EC1 |
| | YKLXL23.2FC1 |
| | YKLXL23.2FC2 |
| | YKLXL30.5GC1 |
| | YKLXL7.15CB1 |
| | YKLXL7.15CC1 |
| Navistar | YNVXL0466ANA |
| | YNVXL0530ANA |
| | YNVXL0530ANB |
| | YNVXL0530ANC |
| | YNVXL0530AND |
| VM Motori | YV5Xl02.1R3V |
| | YV5XL02.8R2T |

Model Year 2001 Engines

| Manufacturer | Engine Families |
|---|---|
| AB Volvo Penta | 1VPXL07.3ABB |
| | 1VPXL07.3ACB |
| | 1VPXL09.6ACB |
| | 1VPXL12.1ACB |
| Case | 1X9XL0239ACA |
| | 1X9XL0239ADA |
| | 1X9XL0359ABA |
| | 1X9XL0359ABB |
| | 1X9XL0505ABA |
| | 1X9XL0505ABB |
| | 1X9XL0505ACA |
| Caterpillar | 1CPXL07.0MRB |
| | 1CPXL10.5MRD |
| | 1CPXL10.5MRG |
| | 1CPXL12.0ESK |
| | 1CPXL14.6ESK |
| | 1CPXL15.8ESK |
| | 1CPXL18.0HRN |
| | 1CPXL27.0HRK |
| | 1CPXL27.0MRS |
| | 1CPXL27.0MRT |
| | 1CPXL34.5ERK |
| | 1CPXL78.1ERK |
| Cummins | 1CEXL03.3AAA |
| | 1CEXL03.3AAB |
| | 1CEXL015.AAA |
| | 1CEXL015.ABA |
| | 1CEXL019.AAB |
| | 1CEXL0239ACA |
| | 1CEXL0239ADA |
| | 1CEXL030.ABA |
| | 1CEXL0359ABA |
| | 1CEXL0359ABB |
| | 1CEXL0359ABC |
| | 1CEXL0359ABD |
| | 1CEXL050.ABA |
| | 1CEXL0505ABA |
| | 1CEXL0505ABB |
| | 1CEXL0505ACA |
| | 1CEXL0505ACE |
| | 1CEXL0661AAA |
| | 1CEXL0661AAD |

Model Year 2001 Engines Continued

| Manufacturer | Engine Families |
|---|---|
| Cummins continued | 1CEXL060.ABA |
| Daewoo | 1DWXL2.37ANT |
| | 1DWXL03.3AMN |
| | 1DWXL03.3BMA |
| | 1DWXL03.3LMN |
| | 1DWXL05.8AOA |
| | 1DWXL05.8ARN |
| | 1DWXL08.1ACN |
| | 1DWXL11.1BIA |
| | 1DWXL14.6AZA |
| | 1DWXL14.6CVT |
| | 1DWXL18.3ASA |
| | 1DWXL21.9AYA |
| Detroit Diesel Corporation | 1DDXL08.5TJD |
| | 1DDXL08.5YJD |
| | 1DDXL12.7VGD |
| | 1DDXL14.0VLD |
| | 1DDXL14.0WLD |
| | 1DDXL15.9WRE |
| | 1DDXL23.9WRE |
| | 1DDXL31.8XRE |
| | 1DDXL65.0XTE |
| Deere | 1JDXL06.8012 |
| | 1JDXL06.8038 |
| | 1JDXL06.8039 |
| | 1JDXL08.1007 |
| | 1JDXL08.1008 |
| | 1JDXL08.1036 |
| | 1JDXL08.1037 |
| Deutz | 1DZXL02.7014 |
| | 1DZXL02.7015 |
| | 1DDXL08.5TJD |
| | 1DDXL08.5YJD |
| | 1DZXL07.1005 |
| | 1DZXL15.9002 |
| | 1DZXL15.9003 |
| Generac | 1GNXL04.0HAA |
| | 1GNXL04.0HNA |
| | 1GNXL05.0FAA |
| Isuzu | 1SZXL06.5BTA |
| | 1SZXL09.8EXA |
| | 1SZXL15.7ETA |
| | 1SZXL15.7EXA |

Model Year 2001 Engines Continued

| Manufacturer | Engine Families |
|---|---|
| International | 1NVXL0530ANC |
| | 1NVXL0530AND |
| | 1NVXL0530ANF |
| Komatsu | 1KLXL0239ACA |
| | 1KLXL0239ADA |
| | 1KLXL0359ABA |
| | 1KLXL0359ABC |
| | 1KLXL0505ABB |
| | 1KLXL0505ACA |
| | 1KLXL03.3JA1 |
| | 1KLXL03.3JB1 |
| | 1KLXL7.15CB1 |
| | 1KLXL7.15CC1 |
| | 1KLXL11.0DD3 |
| | 1KLXL15.2EC3 |
| | 1KLXL30.5GC1 |
| | 1KLXL30.5GD1 |
| Mitsubishi | 1MTXL07.5D6A |
| | 1MTXL07.5D6C |
| | 1MTXL11.9D6A |

Model Year 2002 Engines

| Manufacturer | Engine Families |
|---|---|
| Case | 2X9XL0239ACA |
| | 2X9XL0239ADA |
| | 2X9XL0359ABA |
| | 2X9XL0359ABB |
| | 2X9XL0359ABE |
| | 2X9XL0505ABA |
| | 2X9XL0505ABB |
| | 2X9XL0505ABD |
| | 2X9XL0505ACA |
| Caterpillar | 2CPXL07.0MRB |
| | 2CPXL10.5MRD |
| | 2CPXL10.5MRG |
| | 2CPXL27.0MRS |
| | 2CPXL27.0MRT |
| | 2CPXL34.5ERK |
| | 2CPXL78.1ERK |
| Cummins | 2CEXL03.3AAA |
| | 2CEXL03.3AAB |
| | 2CEXL015.AAA |
| | 2CEXL015.AAB |
| | 2CEXL015.ABA |
| | 2CEXL019.AAB |
| | 2CEXL0239ACA |
| | 2CEXL0239ADA |
| | 2CEXL0359ABA |
| | 2CEXL0359ABB |
| | 2CEXL0359ABC |
| | 2CEXL0359ABE |
| | 2CEXL0505ABA |
| | 2CEXL0505ABB |
| | 2CEXL0505ABD |
| | 2CEXL0505ACA |
| | 2CEXL0505ACB |
| | 2CEXL0505ACE |
| | 2CEXL060.ABA |
| | 2CEXL0661AAA |
| | 2CEXL0661AAD |

Model Year 2002 Engines Continued

| Manufacturer | Engine Families |
|---|---|
| Detroit Diesel | 2DDXL08.5TJD |
| | 2DDXL08.5YJD |
| | 2DDXL12.7VGD |
| | 2DDXL14.0VLD |
| | 2DDXL31.8XRE |
| | 2DDXL65.0XTE |
| Deere | 2JDXL06.8012 |
| | 2JDXL06.8014 |
| | 2JDXL06.8038 |
| | 2JDXL06.8039 |
| | 2JDXL06.8041 |
| | 2JDXL06.8044 |
| | 2JDXL06.8049 |
| | 2JDXL08.1007 |
| | 2JDXL08.1008 |
| | 2JDXL08.1036 |
| | 2JDXL08.1037 |
| Deutz AG | 2DZXL02.7014 |
| | 2DZXL02.7015 |
| | 2DZXL05.7033 |
| | 2DZXL07.1004 |
| | 2DZXL07.1005 |
| | 2DZXL07.1032 |
| | 2DZXL15.9002 |
| | 2DZXL15.9003 |
| Daewoo | 2DWXL2.37ANT |
| | 2DWXL03.3AMN |
| | 2DWXL03.3BMA |
| | 2DWXL03.3LMN |
| | 2DWXL05.8AOA |
| | 2DWXL05.8ARN |
| | 2DWXL08.1ACN |
| | 2DWXL11.1BIA |
| | 2DWXL14.6CVT |
| | 2DWXL21.9AYA |
| Generac | 2GNXL04.0HAA |
| | 2GNXL04.0HNA |
| | 2GNXL05.0FAA |
| Isuzu | 2SZXL06.5BTA |
| | 2SZXL09.8EXA |
| | 2SZXL15.7ETA |
| | 2SZXL15.7EXA |

Model Year 2002 Engines Continued

| Manufacturer | Engine Families |
|---|---|
| International Truck | 2NVXL0444ANA |
| | 2NVXL0530ANC |
| | 2NVXL0530AND |
| | 2NVXL0530ANF |
| Komatsu | 2KLXL0239ACA |
| | 2KLXL0239ADA |
| | 2KLXL0359ABA |
| | 2KLXL0359ABC |
| | 2KLXL0505ABB |
| | 2KLXL0505ABD |
| | 2KLXL0505ACA |
| | 2KLXL03.3JA1 |
| | 2KLXL03.3JB1 |
| | 2KLXL11.0DB1 |
| | 2KLXL11.0DD3 |
| | 2KLXL15.2EC3 |
| | 2KLXL30.5GC1 |
| | 2KLXL30.5GD1 |
| | 2KLXL46.3HC1 |
| | 2KLXL7.15CB1 |
| | 2KLXL7.15CC1 |
| Mitsubishi | 2MTXL07.5D6A |
| | 2MTXL07.5D6C |
| | 2MTXL11.9D6A |
| | 2MVXL24.5AAB |
| | 2MVXL65.4ABA |
| | 2MVXL65.4ABB |
| | 2MVXL65.4ABC |
| AB Volvo Penta | 2VPXL07.3ABB |
| | 2VPXL07.3ACB |
| | 2VPXL09.6ACB |
| | 2VPXL12.1ABA |
| | 2VPXL12.1ACA |
| | 2VPXL12.1ACB |
| VM Motori | 2V5XL02.8R2T |

Model Year 2003 Engines

| Manufacturer | Engine Families |
|---|---|
| Caterpillar | 3CPXL15.8ESK |
| | 3CPXL18.0HRX |
| | 3CPXL27.0MRS |
| | 3CPXL27.0MRT |
| | 3CPXL34.5ERK |
| | 3CPXL58.6ERK |
| | 3CPXL78.1ERK |
| CNH Engine Corp | 3X9XL0239AAA |
| | 3X9XL0239ABA |
| | 3X9XL0359AAC |
| | 3X9XL0359ABE |
| | 3X9XL0505AAB |
| | 3X9XL0505ABD |
| Cummins | 3CEXL015.AAB |
| | 3CEXL015.ABA |
| | 3CEXL023.AAA |
| | 3CEXL0239AAD |
| | 3CEXL0239AAF |
| | 3CEXL0275AAA |
| | 3CEXL0275AAB |
| | 3CEXL030.ABA |
| | 3CEXL0359AAB |
| | 3CEXL0359AAC |
| | 3CEXL0359ABC |
| | 3CEXL0359ABE |
| | 3CEXL050.ABA |
| | 3CEXL0505ABD |
| | 3CEXL0505ACB |
| | 3CEXL060.ABA |
| | 3CEXL0661AAD |
| | 3CEXL078.AAB |
| Daewoo Motors | 3DWXL05.8COA |
| | 3DWXL11.1DJA |
| | 3DWXL21.9AYA |

Model Year 2003 Engines Continued

| Manufacturer | Engine Families |
|---|---|
| Detroit Diesel | 3DDXL08.5YJD |
| | 3DDXL12.7VGD |
| | 3DDXL14.0VLD |
| | 3DDXL15.9WRE |
| | 3DDXL31.8XRE |
| | 3DDXL35.8GRP |
| | 3DDXL65.0GTP |
| | 3DDXL65.0XTE |
| Deere | 3JDXL06.8014 |
| | 3JDXL06.8038 |
| | 3JDXL06.8039 |
| | 3JDXL06.8041 |
| | 3JDXL06.8044 |
| | 3JDXL06.8048 |
| | 3JDXL06.8049 |
| | 3JDXL08.1037 |
| Deutz AG | 3DZXL05.7033 |
| | 3DZXL06.1028 |
| | 3DZXL07.1032 |
| | 3DZXL15.9002 |
| Daewoo Heavy Ind. | 3DWXL08.1CPA |
| | 3DWXL18.3ASC |
| | 3DWXL2.37ANT |
| Isuzu | 3SZXL09.8EXA |
| | 3SZXL15.7ETA |
| | 3SZXL15.7EXA |
| International Truck | 3NVXL0530ANF |
| Komatsu | 3KLXL0239AAD |
| | 3KLXL0239AAF |
| | 3KLXL0359AAB |
| | 3KLXL0359ABC |
| | 3KLXL0505ABD |
| | 3KLXL11.0DD3 |
| | 3KLXL15.2EC3 |
| | 3KLXL23.2FD4 |
| | 3KLXL30.5GC1 |
| | 3KLXL30.5GD1 |

Model Year 2003 Engines Continued

| Manufacturer | Engine Families |
|---|---|
| Lombardini Motori | 3LBDL2.07CHT |
| Mack Trucks | 3MKXL11.9P69 |
| Mitsubishi Heavy Ind | 3MVXL24.5AAB |
| | 3MVXL24.5ABA |
| | 3MVXL24.5ABB |
| | 3MVXL24.5ABD |
| | 3MVXL24.5ABE |
| | 3MVXL33.9ABA |
| | 3MVXL33.9ABB |
| | 3MVXL33.9ABD |
| | 3MVXL33.9ABE |
| | 3MVXL37.1ABA |
| | 3MVXL37.1ABB |
| | 3MVXL37.1ABC |
| | 3MVXL37.1ABD |
| | 3MVXL49.0ABA |
| | 3MVXL49.0ABB |
| | 3MVXL49.0ABC |
| | 3MVXL65.4ABA |
| | 3MVXL65.4ABB |
| | 3MVXL65.4ABC |
| | 3MVXL65.4ABD |
| | 3MVXL65.4ABE |
| | 3MVXL65.4ABF |
| | 3MVXL65.4ABG |
| AB Volvo Penta | 3VPXL07.3ACB |
| | 3VPXL09.6ACB |
| | 3VPXL12.1ABA |
| | 3VPXL12.1ACA |
| | 3VPXL12.1ACB |
| | 3VPXL16.0ACB |

Model Year 2004 Engines

| Manufacturer | Engine Families |
|---|---|
| Caterpillar | 4CPXL15.8ERK |
| | 4CPXL15.8ESK |
| | 4CPXL18.0ESK |
| | 4CPXL18.0HRX |
| | 4CPXL27.0MRS |
| | 4CPXL27.0MRT |
| | 4CPXL34.5ERK |
| | 4CPXL58.6ERK |
| | 4CPXL78.1ERK |
| CNH Engine Corp. | 4X9XL0239AAC |
| | 4X9XL0359AAK |
| | 4X9XL0359ABE |
| | 4X9XL0505AAB |
| | 4X9XL0505ABD |
| Cummins | 4CEXL015.AAB |
| | 4CEXL015.ABA |
| | 4CEXL023.AAA |
| | 4CEXL0239AAD |
| | 4CEXL0239AAF |
| | 4CEXL0239AAG |
| | 4CEXL0275AAB |
| | 4CEXL0275AAC |
| | 4CEXL0275AAF |
| | 4CEXL03.3ABA |
| | 4CEXL03.3ABB |
| | 4CEXL030.ABA |
| | 4CEXL0359AAB |
| | 4CEXL0359AAC |
| | 4CEXL0359AAD |
| | 4CEXL0359AAE |
| | 4CEXL0359AAF |
| | 4CEXL0359AAH |
| | 4CEXL0359ABC |
| | 4CEXL0359ABE |
| | 4CEXL050.ABA |
| | 4CEXL0505ABD |
| | 4CEXL0505ACB |
| | 4CEXL060.ABA |
| | 4CEXL0661AAD |
| | 4CEXL078.AAB |
| | 4CEXL2.28A41 |
| | 4CEXL2.28A42 |

Model Year 2004 Engines Continued

| Manufacturer | Engine Families |
|---|---|
| Detroit Diesel | 4DDXL08.5YJD |
| | 4DDXL12.7VGD |
| | 4DDXL14.0VLD |
| | 4DDXL23.9WRE |
| | 4DDXL31.8XRE |
| | 4DDXL35.8GRP |
| | 4DDXL65.0GTP |
| | 4DDXL65.0XTE |
| | 4DDXL90.0XTP |
| Deere | 4JDXL03.0064 |
| | 4JDXL06.8038 |
| | 4JDXL06.8041 |
| | 4JDXL06.8048 |
| | 4JDXL06.8049 |
| | 4JDXL08.1037 |
| Deutz AG | 4DZXL03.1039 |
| | 4DZXL03.1040 |
| | 4DZXL03.1041 |
| | 4DZXL05.7033 |
| | 4DZXL06.1038 |
| | 4DZXL06.5036 |
| | 4DZXL06.5037 |
| | 4DZXL06.5042 |
| | 4DZXL06.5043 |
| | 4DZXL07.1032 |
| | 4DZXL15.9002 |
| | 4DZXL71.0021 |
| Daewoo | 4DWXL05.8COA |
| | 4DWXL05.8CRN |
| | 4DWXL08.1CPA |
| | 4DWXL11.1BIA |
| | 4DWXL11.1DJA |
| | 4DWXL18.3ASC |
| | 4DWXL2.37ANT |
| | 4DWXL21.9AYA |
| Isuzu | 4SZXL03.1GTB |
| | 4SZXL06.5FXG |
| | 4SZXL15.7ETA |
| | 4SZXL15.7EXA |

Model Year 2004 Engines Continued

| Manufacturer | Engine Families |
|---|---|
| International Truck | 4NVXL0530ANF |
| Iveco | 4VEXL05.9DGS |
| | 4VEXL12.9GEN |
| Kubota | 4KBXL03.3ACD |
| | 4KBXL03.3BAC |
| | 4KBXL03.3BCC |
| | 4KBXL03.8ACD |
| Komatsu | 4KLXL0239AAD |
| | 4KLXL0239AAF |
| | 4KLXL0239ADA |
| | 4KLXL0275AAC |
| | 4KLXL03.3JA3 |
| | 4KLXL03.3JB3 |
| | 4KLXL03.3JD3 |
| | 4KLXL0359AAB |
| | 4KLXL0359AAE |
| | 4KLXL0359ABC |
| | 4KLXL0505ABD |
| | 4KLXL11.0DD3 |
| | 4KLXL15.2EC3 |
| | 4KLXL23.2FD4 |
| | 4KLXL30.5GC1 |
| | 4KLXL30.5GD1 |
| MACK Trucks | 4MKXL11.9P69 |
| | 4MKXL11.9P72 |
| MOTORENFABRIK HATZ | 4HZXL3.43C42 |
| | 4HZXL3.43V42 |
| Mitsubishi Heavy Ind. | 4MVXL05.0AAA |
| | 4MVXL05.0AAD |
| | 4MVXL24.5AAB |
| | 4MVXL24.5ABA |
| | 4MVXL24.5ABB |
| | 4MVXL24.5ABD |
| | 4MVXL24.5ABE |
| | 4MVXL33.9ABB |
| | 4MVXL33.9ABE |
| | 4MVXL37.1ABB |
| | 4MVXL37.1ABC |
| | 4MVXL37.1ABD |
| | 4MVXL49.0ABA |
| | 4MVXL49.0ABB |

Model Year 2004 Engines Continued

| Manufacturer | Engine Families |
|---|---|
| Mitsubishi Heavy Ind (continued) | 4MVXL49.0ABC |
| | 4MVXL49.0ABD |
| | 4MVXL49.0ABE |
| | 4MVXL65.4ABA |
| | 4MVXL65.4ABB |
| | 4MVXL65.4ABC |
| | 4MVXL65.4ABD |
| | 4MVXL65.4ABE |
| | 4MVXL65.4ABF |
| | 4MVXL65.4ABG |
| | 4MVXL65.4ABH |
| MTU | 4MTUL21.9R2A |
| Nissan Diesel | 4NDXL03.0FTA |
| AB Volvo Penta | 4VPXL07.3ACB |
| | 4VPXL09.4ACA |
| | 4VPXL09.4ACB |
| | 4VPXL09.4ACC |
| | 4VPXL09.6ACB |
| | 4VPXL09.6ACC |
| | 4VPXL12.1ABA |
| | 4VPXL12.1ACA |
| | 4VPXL12.1ACB |
| Yanmar | 4YDXL3.05M4N |
| | 4YDXL3.32J4N |
| | 4YDXL3.32J4T |
| | 4YDXL3.32K4N |
| | 4YDXL3.32K4T |
| | 4YDXL4.41K4T |
| Perkins | 4PKXL15.8H16 |
| Scania AB | 4Y9XL11.7BBG |
| | 4Y9XL15.6BDA |

Model Year 2005 Engines

| Manufacturer | Engine Families |
|---|---|
| Caterpillar | 5CPXL15.2ESK |
| | 5CPXL15.8ERK |
| | 5CPXL18.0ESK |
| | 5CPXL27.0MRS |
| | 5CPXL27.0MRT |
| | 5CPXL34.5ERK |
| | 5CPXL58.6ERK |
| | 5CPXL78.1ERK |
| CNH Engine Corp. | 5X9XL0239AAC |
| | 5X9XL0359AAK |
| | 5X9XL0359ABE |
| | 5X9XL0505AAB |
| | 5X9XL0505ABD |
| | 5X9XL0540AAB |
| Cummins | 5CEXL015.AAB |
| | 5CEXL015.ABA |
| | 5CEXL019.AAB |
| | 5CEXL023.AAA |
| | 5CEXL0239AAD |
| | 5CEXL0239AAF |
| | 5CEXL0239AAG |
| | 5CEXL0275AAB |
| | 5CEXL0275AAC |
| | 5CEXL0275AAF |
| | 5CEXL03.3ABA |
| | 5CEXL03.3ABB |
| | 5CEXL030.ABA |
| | 5CEXL0359AAB |
| | 5CEXL0359AAC |
| | 5CEXL0359AAD |
| | 5CEXL0359AAE |
| | 5CEXL0359AAF |
| | 5CEXL0359AAH |
| | 5CEXL0359ABC |
| | 5CEXL0359ABE |
| | 5CEXL0409AAB |
| | 5CEXL0409AAC |
| | 5CEXL050.ABA |
| | 5CEXL0505AAE |
| | 5CEXL0505ABD |
| | 5CEXL0505ACB |

Model Year 2005 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| Cummins | 5CEXL0540AAB |
| | 5CEXL060.ABA |
| | 5CEXL078.AAB |
| | 5CEXL2.28A41 |
| | 5CEXL2.28A42 |
| Detroit Diesel Corporation | 5DDXL08.5YJD |
| | 5DDXL15.9WRE |
| | 5DDXL31.8XRR |
| | 5DDXL35.8GRP |
| | 5DDXL65.0GTE |
| | 5DDXL65.0GTP |
| | 5DDXL65.0XTE |
| | 5DDXL90.0XTP |
| Deere | 5JDXL04.5083 |
| | 5JDXL06.8038 |
| | 5JDXL06.8041 |
| | 5JDXL06.8048 |
| | 5JDXL06.8049 |
| | 5JDXL06.8078 |
| | 5JDXL06.8101 |
| | 5JDXL08.1037 |
| | 5JDXL08.1059 |
| | 5JDXL09.0102 |
| Deutz | 5DZXL03.1039 |
| | 5DZXL03.1040 |
| | 5DZXL05.7033 |
| | 5DZXL06.1038 |
| | 5DZXL06.5036 |
| | 5DZXL06.5037 |
| | 5DZXL06.5042 |
| | 5DZXL06.5043 |
| | 5DZXL07.1032 |
| | 5DZXL15.9002 |
| | 5DZXL71.0021 |
| Daewoo Heavy Ind. | 5DWXL08.1CPA |
| | 5DWXL18.3ASC |
| | 5DWXL21.9AYA |
| MotorenFabrik HATZ GMBH | 5HZXL3.43C42 |

Model Year 2005 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| Isuzu | 5SZXL03.1GTB |
| | 5SZXL04.3GTG |
| | 5SZXL06.5FXG |
| | 5SZXL09.8EXA |
| | 5SZXL15.7ETA |
| | 5SZXL15.7EXA |
| Iveco | 5VEXL05.9DGS |
| | 5VEXL06.7DGA |
| | 5VEXL12.9GEN |
| Komatsu | 5KLXL0239AAD |
| | 5KLXL0239AAF |
| | 5KLXL0239ADA |
| | 5KLXL0275AAC |
| | 5KLXL03.3JA3 |
| | 5KLXL03.3JB3 |
| | 5KLXL03.3JD3 |
| | 5KLXL0359AAB |
| | 5KLXL0359AAE |
| | 5KLXL0359AAL |
| | 5KLXL0359ABC |
| | 5KLXL0409AAB |
| | 5KLXL0409AAC |
| | 5KLXL0505ABD |
| Komatsu | 5KLXL23.2FD4 |
| | 5KLXL30.5GC1 |
| | 5KLXL30.5GD1 |
| Kuboto | 5KBXL03.3BAC |
| | 5KBXL03.3BCC |
| KUKJ | 5KMCL2.28A41 |
| | 5KMCL2.28A42 |
| Lombardini Motori | 5LBDL2.19CHT |
| Mitsubishi Heavy Industries | 5MVXL05.0AAA |
| | 5MVXL05.0AAC |
| | 5MVXL05.0AAD |
| | 5MVXL24.5ABB |
| | 5MVXL33.9ABB |
| | 5MVXL37.1ABC |
| | 5MVXL49.0ABD |
| | 5MVXL65.4ABB |
| | 5MVXL65.4ABH |

Model Year 2005 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| MITF | 5MFTL07.5D6A |
| MTU-Friedrichshafen | 5MTUL21.9R2A |
| Nissan Diesel | 5NDXL02.7TNA |
| | 5NDXL03.0FTA |
| AB Volvo Penta | 5VPXL07.3ACB |
| | 5VPXL09.4ACA |
| | 5VPXL09.4ACB |
| | 5VPXL09.4ACC |
| | 5VPXL09.6ACB |
| | 5VPXL12.1ABA |
| | 5VPXL12.1ACA |
| | 5VPXL12.1ACB |
| | 5VPXL16.1ACB |
| | 5VPXL16.1ACC |
| | 5VPXL16.1ACD |
| | 5VPXL16.1ACE |
| | 5VPXL16.1ACF |
| Yanmar | 5YDXL3.05M4N |
| | 5YDXL3.32J4N |
| | 5YDXL3.32J4T |
| | 5YDXL3.32K4N |
| | 5YDXL3.32K4T |
| | 5YDXL4.41K4T |

Model Year 2006 Engines

| Manufacturer | Engine Families |
|---|---|
| AB Volvo Penta | 6VPXL12.1BAA |
| | 6VPXL16.1ACB |
| | 6VPXL9.4BAA |
| Caterpillar | 6CPXL15.2ESK |
| | 6CPXL18.0ESK |
| | 6CPXL18.1ESK |
| | 6CPXL18.1ESL |
| | 6CPXL32.0ESK |
| | 6CPXL34.5E2T |
| | 6CPXL34.5T2E |
| | 6CPXL58.6E2T |
| | 6CPXL58.6T2E |
| | 6CPXL78.1E2T |
| | 6CPXL78.1T2E |
| CNH Engine Corp. | 6X9XL0239AAC |
| | 6X9XL0359AAM |
| | 6X9XL0359ABE |
| | 6X9XL0505ABD |
| | 6X9XL0540AAB |
| Cummins | 6CEXK0505AAE |
| | 6CEXL015.AAB |
| | 6CEXL019.AAB |
| | 6CEXL019.AAC |
| | 6CEXL023.AAA |
| | 6CEXL0239AAD |
| | 6CEXL0239AAF |
| | 6CEXL0239AAG |
| | 6CEXL0275AAB |
| | 6CEXL0275AAC |
| | 6CEXL0275AAG |
| | 6CEXL0275AAH |
| | 6CEXL030.AAB |
| | 6CEXL030.AAD |
| | 6CEXL030.ABA |
| | 6CEXL03.3ABC |
| | 6CEXL0359AAB |
| | 6CEXL0359AAC |
| | 6CEXL0359AAD |
| | 6CEXL0359AAF |
| | 6KLXL0359AAL |
| | 6CEXL0359AAN |
| | 6CEXL0359ABC |
| | 6CEXL0359ABE |

Model Year 2006 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| Cummins (cont.) | 6CEXL0409AAB |
| | 6CEXL0409AAC |
| | 6CEXL050.AAD |
| | 6CEXL050.ABA |
| | 6CEXL0505ABD |
| | 6CEXL0540AAB |
| | 6CEXL060.AAD |
| | 6CEXL078.AAB |
| DAIMLERCHRYSLER | 6MBXL7.20RJA |
| | 6MBXL12.8RJB |
| Deere | 6JDXL03.0064 |
| | 6JDXL04.5083 |
| | 6JDXL06.8038 |
| | 6JDXL06.8041 |
| | 6JDXL06.8048 |
| | 6JDXL06.8049 |
| | 6JDXL06.8078 |
| | 6JDXL08.1037 |
| | 6JDXL12.5035 |
| | 6JDXL12.5073 |
| | 6DDXL31.8XRR |
| Deutz | 6DZXL06.1038 |
| | 6DZXL06.1028 |
| | 6DZXL05.7033 |
| | 6DZXL06.5036 |
| | 6DZXL06.5037 |
| | 6DZXL06.5042 |
| | 6DZXL03.1066 |
| | 6DZXL03.1039 |
| | 6DZXL03.1040 |
| Isuzu | 6SZXL04.3GTG |
| | 6SZXL06.5FXG |
| | 6SZXL05.2HXA |
| | 6SZXL05.2IXA |
| | 6SZXL07.8HXA |
| | 6SZXL15.7HXA |

Model Year 2006 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| IVECO | 6VEXL04.5DGT |
| | 6VEXL04.5DGN |
| | 6VEXL06.7DGA |
| | 6VEXL06.7DGB |
| | 6VEXL06.7DGS |
| Komatsu | 6KLXL0239AAD |
| | 6KLXL0239AAF |
| | 6KLXL0239ADA |
| | 6KLXL0275AAC |
| | 6KLXL0275AAG |
| | 6KLXL0275AAH |
| | 6KLXL03.3JD3 |
| | 6KLXL0359AAB |
| | 6KLXL0359AAE |
| | 6KLXL0359AAL |
| | 6KLXL0359ABC |
| | 6KLXL0409AAB |
| | 6KLXL0409AAC |
| | 6KLXL0505ABD |
| Kubota | 6KBXL03.3CCD |
| Mitsubishi Fuso Truck & Bus Corp | 6MFTL05.8D3A |
| Mitsubishi Heavy Industries | 6MVXL05.0AAA |
| | 6MVXL05.0AAD |
| | 6MVXL05.0DDD |
| | 6MVXL06.4DDD |
| | 6MVXL06.4EEE |
| MotorenFabrik HATZ GMBH | 6HZXL3.43C42 |
| | 6HZXL3.43V42 |
| Nissan | 6NDXL03.0FTA |
| VMMI | 6V5XL04.2G5V |
| Yanmar | 6YDXL3.32J4T |
| | 6YDXL3.32K4T |
| | 6YDXL4.41K4T |

Model Year 2007 Engines

| Manufacturer | Engine Families |
|---|---|
| AB Volvo Penta | 7VPXL09.4BAA |
| | 7VPXL12.1BAA |
| | 7VPXL16.1ACB |
| Caterpillar | 7CPXL07.2ESL |
| | 7CPXL08.8ESK |
| | 7CPXL11.1ESK |
| | 7CPXL12.5ESK |
| | 7CPXL15.2ESK |
| | 7CPXL15.2ESL |
| | 7CPXL18.1ESK |
| | 7CPXL18.1ESL |
| | 7CPXL27.0ESK |
| | 7CPXL32.0ESK |
| | 7CPXL51.8E2W |
| | 7CPXL78.1ERK |
| | 7CPXL34.5T2E |
| | 7CPXL58.6T2E |
| | 7CPXL78.1T2E |
| CNH Engine Corp. | 7X9XL0505AAE |
| | 7X9XL0540AAB |
| | 7X9XL0239AAB |
| | 7NHXL04.5DAA |
| | 7NHXL04.5DCA |
| | 7NHXL06.7DAA |
| | 7NHXL06.7DCA |
| | 7NHXL06.7DCB |
| | 7NHXL06.7DTA |
| | 7NHXL06.7DTC |
| Cummins | 7CEXL015.AAA |
| | 7CEXL015.AAB |
| | 7CEXL015.AAE |
| | 7CEXL019.AAD |
| | 7CEXL023.AAA |
| | 7CEXL0239AAG |
| | 7CEXL0275AAC |
| | 7CEXL0275AAG |
| | 7CEXL0275AAH |
| | 7CEXL03.3ABA |
| | 7CEXL03.3ABB |
| | 7CEXL03.3ACA |
| | 7CEXL03.3ACB |
| | 7CEXL030.AAB |
| | 7CEXL030.AAD |

Model Year 2007 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| Cummins (cont.) | 7CEXL030.ABA |
| | 7CEXL038.AAA |
| | 7CEXL0409AAB |
| | 7CEXL0409AAC |
| | 7CEXL045.AAA |
| | 7CEXL050.AAC |
| | 7CEXL050.AAD |
| | 7CEXL050.ABA |
| | 7CEXL0505AAE |
| | 7CEXL0540AAB |
| | 7CEXL060.AAB |
| | 7CEXL060.AAD |
| | 7CEXL0661AAF |
| | 7CEXL0661AAG |
| | 7CEXL0661AAH |
| | 7CEXL0661AAJ |
| | 7CEXL078.AAA |
| | 7CEXL078.AAB |
| DAIMLERCHRYSLER | 7MBXL12.8RJB |
| | 7MBXL15.9RJA |
| Deere | 7JDXL03.0064 |
| | 7JDXL04.5075 |
| | 7JDXL04.5076 |
| | 7JDXL04.5081 |
| | 7JDXL04.5083 |
| | 7JDXL06.8038 |
| | 7JDXL06.8039 |
| | 7JDXL06.8041 |
| | 7JDXL06.8044 |
| | 7JDXL06.8048 |
| | 7JDXL06.8049 |
| | 7JDXL06.8078 |
| | 7JDXL06.8080 |
| | 7JDXL06.8084 |
| | 7JDXL06.8101 |
| | 7JDXL06.8104 |
| | 7JDXL06.8105 |
| | 7JDXL06.8106 |
| | 7JDXL08.1037 |
| | 7JDXL09.0102 |
| | 7JDXL12.5035 |
| | 7JDXL12.5073 |

Model Year 2007 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| Detroit Diesel Corporation | 7DDXL14.0WLD |
| Deutz | 7DZXL03.1039 |
| | 7DZXL03.1040 |
| | 7DZXL03.1066 |
| | 7DZXL06.1038 |
| | 7DZXL06.1059 |
| | 7DZXL06.1060 |
| | 7DZXL06.1061 |
| | 7DZXL06.1063 |
| | 7DZXL06.5042 |
| | 7DZXL06.5043 |
| | 7DZXL07.1051 |
| | 7DZXL07.1053 |
| | 7DZXL07.1055 |
| | 7DZXL15.9065 |
| Doosan Infracore | 7DWXL05.8CRN |
| | 7DWXL05.8UTA |
| | 7DWXL07.6UPA |
| | 7DWXL11.0UJA |
| | 7DWXL21.9UYA |
| GNH UK LTD | 7NHXL06.7DCC |
| Hino Motors | 7HMXL05.1JTA |
| | 7HMXL07.7JTM |
| | 7HMXL10.5PUN |
| Ishikawajima-Shibaura Machinery | 7H3XL2.22N4L |
| Isuzu | 7SZXL03.0IXA |
| | 7SZXL03.1GNA |
| | 7SZXL03.1GNB |
| | 7SZXL03.1GTB |
| | 7SZXL04.3GTG |
| | 7SZXL04.3GXA |
| | 7SZXL05.2HXA |
| | 7SZXL05.2IXA |
| | 7SZXL07.8HXA |
| | 7SZXL07.8HXB |
| | 7SZXL09.8HXA |
| | 7SZXL15.7HXA |

Model Year 2007 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| IVECO | 7VEXL03.9B1Z |
| | 7VEXL04.5DAA |
| | 7VEXL04.5DGN |
| | 7VEXL04.5DGT |
| | 7VEXL06.7DAA |
| | 7VEXL06.7DCA |
| | 7VEXL06.7DCB |
| | 7VEXL06.7DCC |
| | 7VEXL06.7DGB |
| | 7VEXL06.7DGS |
| | 7VEXL06.7DTA |
| | 7VEXL06.7DTC |
| | 7VEXL08.7TR3 |
| | 7VEXL10.3MLR |
| | 7VEXL12.9IGR |
| | 7VEXL12.9MLR |
| | 7VEXL12.9TR3 |
| | 7VEXL20.1DSL |
| Komatsu | 7KLXL0239ADA |
| | 7KLXL0275AAC |
| | 7KLXL0275AAG |
| | 7KLXL0275AAH |
| | 7KLXL03.3JA3 |
| | 7KLXL03.3JB3 |
| | 7KLXL03.3JD3 |
| | 7KLXL03.3JD6 |
| | 7KLXL03.3JD7 |
| | 7KLXL0359AAE |
| | 7KLXL038.AAA |
| | 7KLXL0409AAB |
| | 7KLXL0409AAC |
| | 7KLXL045.AAA |
| | 7KLXL050.AAC |
| | 7KLXL0505AAE |
| | 7KLXL060.AAB |
| | 7KLXL078.AAA |
| | 7klxl11.0DD6 |
| | 7KLXL11.0DD6 |
| | 7KLXL15.2ED6 |
| | 7klxl15.2ED6 |
| | 7KLXL15.2ED7 |
| | 7KLXL23.2FD6 |
| | 7KLXL30.5GD3 |

Model Year 2007 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| Kubota | 7KBXL02.0FAD |
| | 7KBXL02.4HCD |
| | 7KBXL03.3BAC |
| | 7KBXL03.3BAD |
| | 7KBXL03.3BBD |
| | 7KBXL03.3BCC |
| | 7KBXL03.3BCD |
| | 7KBXL03.3CCD |
| | 7KBXL03.8AHD |
| Lombardini S.R.L. | 7LBDL2.19CHT |
| MAHINDRA & MAHINDRA LTD., | 7MMLL03.1NEF |
| | 7MMLL03.2NEF |
| | 7MMLL03.2NET |
| | 7MMLL03.4NEF |
| | 7MMLL03.5NEF |
| Mitsubishi Fuso Truck & Bus Corp | 7MFTL02.8M4A |
| | 7MFTL04.9M5A |
| | 7MFTL07.5M6A |
| | 7MFTL12.9M7A |
| Mitsubishi Heavy Industries | 7MVXL05.0AAA |
| | 7MVXL05.0AAC |
| | 7MVXL05.0AAD |
| | 7MVXL06.4FFF |
| | 7MVXL24.5BBA |
| | 7MVXL33.9BBA |
| | 7MVXL37.1BBA |
| | 7MVXL49.0BBA |
| | 7MVXL65.4BBA |
| MotorenFabrik HATZ GMBH | 7HZXL2.57C41 |
| | 7HZXL3.43C42 |
| | 7HZXL3.43V42 |
| MTU Detroit Diesel, Inc. | 7MDDL31.8XRR |
| | 7MDDL95.4XTR |
| Nissan | 7NDXL02.7TNA |
| | 7NDXL03.0FTA |
| | 7NDXL03.2TNA |

Model Year 2007 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| Perkins Engines | 7PKXL03.3DD1 |
| | 7PKXL04.4NH1 |
| | 7PKXL04.4RE1 |
| | 7PKXL06.6PJ1 |
| | 7PKXL06.6PJ2 |
| | 7PKXL15.2TA2 |
| | 7PKXL15.2TAG |
| | 7PKXL18.1TAG |
| SCANIA CV AB | 7Y9XL11.7BBA |
| | 7Y9XL11.7BBB |
| | 7Y9XL15.6BDE |
| Shandong Weichai Huafeng Power | 7SDWL4.33BBB |
| | 7SDWL7.52AAA |
| Sisu Diesel | 7SIDL03.3G4A |
| | 7SIDL04.4J2A |
| | 7SIDL07.4G4D |
| | 7SIDL07.4G4E |
| | 7SIDL07.4G5B |
| | 7SIDL07.4G5C |
| | 7SIDL08.4H5B |
| Volvo Construction Equipment AB | 7VSXL09.4CE3 |
| | 7VSXL12.1CE3 |
| | 7VSXL16.1CE3 |
| Yanmar | 7YDXL3.05M4N |
| | 7YDXL3.05P4N |
| | 7YDXL3.32J4N |
| | 7YDXL3.32J4T |
| | 7YDXL3.32K4T |
| | 7YDXL3.32P4N |
| | 7YDXL4.41K4T |

Model Year 2008 Engines

| Manufacturer | Engine Families |
|---|---|
| AB Volvo Penta | 8VPXL09.4BAA |
| | 8VPXL12.1BAA |
| | 8VPXL12.8BCA |
| | 8VPXL16.1ACB |
| | 8VPXL16.1ACW |
| Caterpillar | 8CPXL07.2ESL |
| | 8CPXL08.8ESK |
| | 8CPXL106.T2E |
| | 8CPXL11.1ESK |
| | 8CPXL12.5ESK |
| | 8CPXL15.2ELW |
| | 8CPXL15.2ESW |
| | 8CPXL18.1ESK |
| | 8CPXL18.1ESW |
| | 8CPXL18.1ESX |
| | 8CPXL27.0ESK |
| | 8CPXL27.0ESW |
| | 8CPXL27.0ESX |
| | 8CPXL32.0ESW |
| | 8CPXL32.0ESX |
| | 8CPXL34.5E2W |
| | 8CPXL34.5T2E |
| | 8CPXL51.8E2W |
| | 8CPXL58.6T2E |
| | 8CPXL58.6T2X |
| | 8CPXL78.1E2W |
| | 8CPXL78.1T2E |
| CNH Engine | 8X9XL0540AAB |
| CNH UK LTD | 8NHXL04.5DAA |
| | 8NHXL04.5DAB |
| | 8NHXL04.5DCA |
| | 8NHXL04.5DCB |
| | 8NHXL06.7DAA |
| | 8NHXL06.7DCA |
| | 8NHXL06.7DCB |
| | 8NHXL06.7DCC |

Model Year 2008 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| Cummins | 8CEXL015.AAA |
| | 8CEXL015.AAB |
| | 8CEXL015.AAE |
| | 8CEXL015.AAH |
| | 8CEXL015.AAJ |
| | 8CEXL019.AAD |
| | 8CEXL023.AAA |
| | 8CEXL023.AAB |
| | 8CEXL023.AAC |
| | 8CEXL0275AAG |
| | 8CEXL0275AAH |
| | 8CEXL0275AAK |
| | 8CEXL03.3ACA |
| | 8CEXL03.3ACB |
| | 8CEXL03.3ACD |
| | 8CEXL03.3ACE |
| | 8CEXL030.AAB |
| | 8CEXL030.AAD |
| | 8CEXL030.ABA |
| | 8CEXL0409AAB |
| | 8CEXL0409AAC |
| | 8CEXL0409AAD |
| | 8CEXL045.AAA |
| | 8CEXL050.AAA |
| | 8CEXL050.AAC |
| | 8CEXL050.AAD |
| | 8CEXL050.ABA |
| | 8CEXL0505AAE |
| | 8CEXL0540AAB |
| | 8CEXL060.AAB |
| | 8CEXL060.AAD |
| | 8CEXL0661AAF |
| | 8CEXL0661AAG |
| | 8CEXL0661AAH |
| | 8CEXL0661AAJ |
| | 8CEXL078.AAA |
| | 8CEXL078.AAB |
| | 8CEXL2.28A41 |

Model Year 2008 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| DAIMLERCHRYSLER | 8MBXL07.2RJA |
| | 8MBXL12.8RJB |
| | 8MBXL15.9RJA |
| Deutz | 8DZXL02.3099 |
| | 8DZXL02.7096 |
| | 8DZXL03.2088 |
| | 8DZXL03.6081 |
| | 8DZXL03.6082 |
| | 8DZXL03.6084 |
| | 8DZXL03.6086 |
| | 8DZXL03.6097 |
| | 8DZXL03.6098 |
| | 8DZXL04.1069 |
| | 8DZXL04.1070 |
| | 8DZXL04.1076 |
| | 8DZXL04.1078 |
| | 8DZXL04.1079 |
| | 8DZXL04.1080 |
| | 8DZXL04.8064 |
| | 8DZXL04.8068 |
| | 8DZXL04.8071 |
| | 8DZXL05.4087 |
| | 8DZXL06.1057 |
| | 8DZXL06.1059 |
| | 8DZXL06.1060 |
| | 8DZXL06.1061 |
| | 8DZXL06.1063 |
| | 8DZXL06.1067 |
| | 8DZXL06.1077 |
| | 8DZXL06.5074 |
| | 8DZXL06.5075 |
| | 8DZXL07.1051 |
| | 8DZXL07.1053 |
| | 8DZXL07.1055 |
| | 8DZXL07.1056 |
| | 8DZXL15.9065 |
| DOOSAN INFRACORE | 8DWXL05.8UTA |
| | 8DWXL07.6UPA |
| | 8DWXL11.0UJA |
| | 8DWXL21.9UYA |
| HINO MOTORS | 8HMXL05.1JTA |

Model Year 2008 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| Ishikawajima | 8H3XL2.00N4T |
| | 8H3XL2.22N4L |
| | 8H3XL2.22N4T |
| Isuzu | 8SZXL02.2UTA |
| | 8SZXL02.2UXA |
| | 8SZXL03.0IXA |
| | 8SZXL03.0JTA |
| | 8SZXL03.0JXA |
| | 8SZXL03.0JXB |
| | 8SZXL03.0UTB |
| | 8SZXL05.2HXA |
| | 8SZXL05.2IXA |
| | 8SZXL05.2IXB |
| | 8SZXL07.8HXA |
| | 8SZXL07.8HXB |
| | 8SZXL09.8HXA |
| | 8SZXL09.8HXB |
| | 8SZXL15.7HXA |
| | 8SZXL15.7HXB |
| IVECO | 8VEXL03.2TAI |
| | 8VEXL03.2TCE |
| | 8VEXL03.2TCI |
| | 8VEXL04.5DAA |
| | 8VEXL04.5DAB |
| | 8VEXL04.5DCA |
| | 8VEXL04.5DCB |
| | 8VEXL06.7DAA |
| | 8VEXL06.7DCA |
| | 8VEXL06.7DCB |
| | 8VEXL06.7DCC |
| | 8VEXL06.7DGB |
| | 8VEXL06.7DGS |
| | 8VEXL08.7TR3 |
| | 8VEXL10.3MLR |
| | 8VEXL10.3TR3 |
| | 8VEXL12.9IGR |
| | 8VEXL12.9MLR |
| | 8VEXL12.9TCD |
| | 8VEXL20.1DSL |
| JCB Power Systems | 8JCBL04.4TA7 |
| | 8JCBL04.4TA8 |
| | 8JCBL04.4TAE |
| | 8JCBL04.4TC6 |

Model Year 2008 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| John Deere Power | 8JDXL03.0064 |
| | 8JDXL03.0208 |
| | 8JDXL04.5075 |
| | 8JDXL04.5083 |
| | 8JDXL04.5107 |
| | 8JDXL06.8038 |
| | 8JDXL06.8039 |
| | 8JDXL06.8041 |
| | 8JDXL06.8049 |
| | 8JDXL06.8078 |
| | 8JDXL06.8080 |
| | 8JDXL06.8101 |
| | 8JDXL06.8104 |
| | 8JDXL06.8105 |
| | 8JDXL06.8106 |
| | 8JDXL08.1037 |
| | 8JDXL09.0102 |
| | 8JDXL09.0114 |
| | 8JDXL12.5035 |
| Komatsu | 8KLXL0275AAG |
| | 8KLXL0275AAH |
| | 8KLXL03.3JA6 |
| | 8KLXL03.3JB6 |
| | 8KLXL03.3JD6 |
| | 8KLXL03.3JD7 |
| | 8KLXL03.3JD9 |
| | 8KLXL0409AAB |
| | 8KLXL0409AAC |
| | 8KLXL050.AAA |
| | 8KLXL050.AAC |
| | 8KLXL0505AAE |
| | 8KLXL060.AAA |
| | 8KLXL060.AAB |
| | 8KLXL078.AAA |
| | 8KLXL11.0DD6 |
| | 8KLXL15.2ED6 |
| | 8KLXL15.2ED7 |
| | 8KLXL23.2FD5 |
| | 8KLXL23.2FD6 |
| | 8KLXL23.2FD7 |
| | 8KLXL30.5GD3 |

Model Year 2008 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| Kubota | 8KBXL02.4FAD |
| | 8KBXL02.4HAD |
| | 8KBXL02.6EAD |
| | 8KBXL03.3CAD |
| | 8KBXL03.6BAC |
| | 8KBXL03.6BAD |
| | 8KBXL03.6BCD |
| | 8KBXL03.6DAD |
| | 8KBXL03.8AAC |
| | 8KBXL03.8AGD |
| Kukje Machinery | 8KMCL2.28A41 |
| M/S. SIMPSON & C. | 8SCLL02.7V50 |
| Liebherr Machines | 8LHAL10.5LPA |
| | 8LHAL10.5LPE |
| | 8LHAL12.0KPA |
| | 8LHAL12.8RMC |
| | 8LHAL24.2VCE |
| | 8LHAL9.54SPA |
| Liebherr Werk | 8LHAL21.9VMR |
| Mitsubishi | 8MVXL02.5HHH |
| | 8MVXL03.3AAC |
| | 8MVXL04.2BBB |
| | 8MVXL04.2CCC |
| | 8MVXL05.0AAD |
| | 8MVXL05.0AAG |
| | 8MVXL06.4FFF |
| | 8MVXL24.5BBA |
| | 8MVXL33.9BBA |
| | 8MVXL37.1BBA |
| | 8MVXL49.0BBA |
| | 8MVXL65.4BBA |
| MAHINDRA & MAHINDRA | 8MMLL02.5N52 |
| | 8MMLL02.5N57 |
| | 8MMLL02.5N59 |
| | 8MMLL02.5N62 |
| | 8MMLL02.5N64 |
| | 8MMLL02.7M30 |
| | 8MMLL03.3N75 |
| | 8MMLL03.3N79 |

Model Year 2008 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| MOTORENFABRIK | 8HZXL3.43C42 |
| | 8HZXL3.43V42 |
| MTU DETROIT DIESEL, | 8MDDL31.8XRR |
| | 8MDDL35.8GRR |
| | 8MDDL95.4XTR |
| NISSAN DIESEL | 8NDXL03.2TNA |
| | 8NDXL04.2TNA |
| Perkins Engines | 8PKXL04.4NH1 |
| | 8PKXL04.4NJ1 |
| | 8PKXL04.4NJ2 |
| | 8PKXL04.4NM1 |
| | 8PKXL04.4RG3 |
| | 8PKXL06.6PJ1 |
| | 8PKXL06.6PJ2 |
| | 8PKXL15.2TA2 |
| | 8PKXL15.2TAG |
| | 8PKXL18.1TAG |
| Scania | 8Y9XL11.7BBA |
| | 8Y9XL11.7BBB |
| | 8Y9XL15.6BDE |
| Volvo | 8VSXL09.4CE3 |
| | 8VSXL12.1CE3 |
| | 8VSXL16.1CE3 |
| Yanmar | 8YDXL2.00N4T |
| | 8YDXL3.32C4N |
| | 8YDXL3.32C4T |
| | 8YDXL3.32R4N |
| | 8YDXL3.32M4N |
| | 8YDXL3.32M4T |

Model Year 2009 Engines

| Manufacturer | Engine Families |
|---|---|
| AB Volvo Penta | 9VPXL09.4BAA |
| | 9VPXL12.1BAA |
| | 9VPXL12.8BCA |
| | 9VPXL16.1ACB |
| | 9VPXL16.1ACW |
| | 9VPXL16.1BEA |
| | 9VSXL09.4CE3 |
| | 9VSXL12.1CE3 |
| | 9VSXL16.1CE3 |
| Caterpillar | 9CPXL07.2ESL |
| | 9CPXL08.8ESK |
| | 9CPXL106.T2E |
| | 9CPXL11.1ESK |
| | 9CPXL12.5ESK |
| | 9CPXL12.5ESX |
| | 9CPXL14.2ELW |
| | 9CPXL15.2ESW |
| | 9CPXL18.1ESK |
| | 9CPXL18.1ESW |
| | 9CPXL18.1ESX |
| | 9CPXL27.0ESK |
| | 9CPXL27.0ESW |
| | 9CPXL27.0ESX |
| | 9CPXL27.0ESX |
| | 9CPXL32.0ESP |
| | 9CPXL32.0ESW |
| | 9CPXL32.0ESX |
| | 9CPXL34.5T2C |
| | 9CPXL34.5T2E |
| | 9CPXL58.6T2E |
| | 9CPXL58.6T2X |
| | 9CPXL58.6T2Y |
| | 9CPXL78.1E2W |
| | 9CPXL78.1T2E |
| CNH UK LTD | 9NHXL04.5DAA |
| | 9NHXL04.5DAB |
| | 9NHXL04.5DCA |
| | 9NHXL04.5DCB |
| | 9NHXL06.7DAA |
| | 9NHXL06.7DCA |
| | 9NHXL06.7DCB |
| | 9NHXL06.7DCC |

Model Year 2009 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| Cummins | 9CEXL015.AAA |
| | 9CEXL015.AAE |
| | 9CEXL015.AAH |
| | 9CEXL015.AAJ |
| | 9CEXL019.AAD |
| | 9CEXL023.AAA |
| | 9CEXL023.AAB |
| | 9CEXL023.AAC |
| | 9CEXL0275AAG |
| | 9CEXL0275AAH |
| | 9CEXL0275AAK |
| | 9CEXL03.3ACA |
| | 9CEXL03.3ACB |
| | 9CEXL03.3ACD |
| | 9CEXL03.ACE |
| | 9CEXL030.AAB |
| | 9CEXL030.AAD |
| | 9CEXL030.ABA |
| | 9CEXL0409AAB |
| | 9CEXL0409AAC |
| | 9CEXL0409AAD |
| | 9CEXL045.AAA |
| | 9CEXL050.AAA |
| | 9CEXL050.AAC |
| | 9CEXL050.AAD |
| | 9CEXL050.AAF |
| | 9CEXL050.ABA |
| | 9CEXL0505AAE |
| | 9CEXL0540AAB |
| | 9CEXL0540AAD |
| | 9CEXL060.AAB |
| | 9CEXL060.AAD |
| | 9CEXL0661AAF |
| | 9CEXL0661AAG |
| | 9CEXL0661AAH |
| | 9CEXL0661AAJ |
| | 9CEXL078.AAA |
| | 9CEXL2.28A41 |

Model Year 2009 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| Deutz | 9DXZL04.8071 |
| | 9DZL04.8073 |
| | 9DZXL02.3048 |
| | 9DZXL02.3099 |
| | 9DZXL02.7096 |
| | 9DZXL03.2088 |
| | 9DZXL03.6081 |
| | 9DZXL03.6082 |
| | 9DZXL03.6084 |
| | 9DZXL03.6086 |
| | 9DZXL03.6097 |
| | 9DZXL03.6098 |
| | 9DZXL04.1069 |
| | 9DZXL04.1070 |
| | 9DZXL04.1072 |
| | 9DZXL04.1076 |
| | 9DZXL04.1078 |
| | 9DZXL04.1079 |
| | 9DZXL04.1080 |
| | 9DZXL04.8064 |
| | 9DZXL04.8068 |
| | 9DZXL06.1057 |
| | 9DZXL06.1059 |
| | 9DZXL06.1060 |
| | 9DZXL06.1061 |
| | 9DZXL06.1063 |
| | 9DZXL06.1067 |
| | 9DZXL06.1077 |
| | 9DZXL06.5074 |
| | 9DZXL07.1051 |
| | 9DZXL07.1053 |
| | 9DZXL07.1055 |
| | 9DZXL07.1056 |
| | 9DZXL15.9065 |
| DOOSAN INFRACORE | 9DICL05.8UTA |
| | 9DICL07.6UPA |
| | 9DICL11.0UJA |
| HINO MOTORS | 9HMXL04.0NUA |
| | 9HMXL05.1JTA |
| | 9HMXL07.7JTM |
| | 9HMXL10.5PUN |
| | 9HMXL10.5PUP |
| | 9HXML12.9EUV |

Model Year 2009 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| Isuzu | 9SZXL02.2UXA |
| | 9SZXL03.0IXA |
| | 9SZXL03.0JTA |
| | 9SZXL03.0JXA |
| | 9SZXL03.0JXB |
| | 9SZXL03.0UTB |
| | 9SZXL05.2HXA |
| | 9SZXL05.2IXA |
| | 9SZXL05.2IXB |
| | 9SZXL07.8HXA |
| | 9SZXL07.8HXB |
| | 9SZXL09,8HXA |
| | 9SZXL09.8HXB |
| | 9SZXL15.7HXA |
| | 9SZXL15.7HXB |
| IVECO | 9VEXL03.2TCE |
| | 9VEXL03.2TCI |
| | 9VEXL04.4DCB |
| | 9VEXL04.5DAA |
| | 9VEXL04.5DAB |
| | 9VEXL04.5DCA |
| | 9VEXL06.7DAA |
| | 9VEXL06.7DCA |
| | 9VEXL06.7DCB |
| | 9VEXL06.7DCC |
| | 9VEXL06.7DGB |
| | 9VEXL06.7DGS |
| | 9VEXL08.7TR3 |
| | 9VEXL10.3MLR |
| | 9VEXL10.3TR3 |
| | 9VEXL12.9IGR |
| | 9VEXL12.9MLR |
| | 9VEXL12.9TCD |
| | 9VEXL20.1DSL |
| JCB Power Systems | 9JCBL04.4TA7 |
| | 9JCBL04.4TA8 |
| | 9JCBL04.4TAE |
| | 9JCBL04.4TC6 |

Model Year 2009 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| John Deere Power | 9JDXL03.0064 |
| | 9JDXL03.0113 |
| | 9JDXL03.0203 |
| | 9JDXL03.0208 |
| | 9JDXL04.5083 |
| | 9JDXL04.5107 |
| | 9JDXL06.8049 |
| | 9JDXL06.8080 |
| | 9JDXL06.8101 |
| | 9JDXL06.8104 |
| | 9JDXL06.8105 |
| | 9JDXL06.8106 |
| | 9JDXL08.1037 |
| | 9JDXL09.0102 |
| | 9JDXL09.0114 |
| Komatsu | 9KLXL0275AAG |
| | 9KLXL0275AAH |
| | 9KLXL03.3JA6 |
| | 9KLXL03.3JB6 |
| | 9KLXL03.3JD6 |
| | 9KLXL03.3JD7 |
| | 9KLXL0409AAB |
| | 9KLXL0409AAC |
| | 9KLXL050.AAA |
| | 9KLXL050.AAC |
| | 9KLXL0505AAE |
| | 9KLXL060.AAA |
| | 9KLXL060.AAB |
| | 9KLXL11.0DD6 |
| | 9KLXL15,2ED7 |
| | 9KLXL15.2ED6 |
| | 9KLXL23.2FD5 |
| | 9KLXL23.2FD6 |
| | 9KLXL23.2FD7 |
| | 9KLXL30.5GD3 |
| | 9XLXL03.3JD9 |

Model Year 2009 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| Kubota | 9KBXL02.4FAD |
| | 9KBXL02.4HAD |
| | 9KBXL02.6EAD |
| | 9KBXL03.3CAD |
| | 9KBXL03.6BAC |
| | 9KBXL03.6BAD |
| | 9KBXL03.6BCD |
| | 9KBXL03.6DAD |
| | 9KBXL03.8AAC |
| | 9KBXL03.8AGD |
| | 9KBXL03.8AHD |
| | 9KBXL06.1AHD |
| Kukje Machinery | 9KMCL2.28A41 |
| Liebherr Machines | 9LHAL10.5LPA |
| | 9LHAL10.5LPE |
| | 9LHAL12.0KPA |
| | 9LHAL12/8RMC |
| | 9LHAL24.2VCE |
| | 9LHAL24.2VCI |
| LOMBARDINI MOTORI | 9LBDL2.19CH2 |
| Mitsubishi | 9MFTL02.8M4B |
| | 9MFTL04.9M5A |
| | 9MFTL07.5M6A |
| | 9MFTL12.9M7A |
| | 9MVXL03.3AAC |
| | 9MVXL03.3AAH |
| | 9MVXL04.2BBB |
| | 9MVXL04.2CCC |
| | 9MVXL05.0AAD |
| | 9MVXL06.4FFF |
| | 9MVXL24.5BBA |
| | 9MVXL33.9BBA |
| | 9MVXL37.1BBA |
| | 9MVXL49.0BBA |
| | 9MVXL65.4BBA |

Model Year 2009 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| MOTORENFABRIK | 9HZXL2.57C41 |
| | 9HZXL2.57V41 |
| | 9HZXL3.43C42 |
| | 9HZXL3.43V42 |
| MTU DETROIT DIESEL | 9MDDL31.8XRR |
| | 9MDDL35.8GRR |
| NAVISTAR | 9NVXL0466ANA |
| NISSAN DIESEL | 9NDXL03.2TNA |
| | 9NDXL04.2TNA |
| Perkins Engines | 9PKXL04.4NJ1 |
| | 9PKXL04.4NJ2 |
| | 9PKXL04.4NM1 |
| | 9PKXL04.4NM2 |
| | 9PKXL04.4RG3 |
| | 9PKXL06.6PJ1 |
| | 9PKXL06.6PJ2 |
| | 9PKXL12.5TAG |
| | 9PKXL15.2TAG |
| | 9PKXL15.2TAG |
| | 9PKXL18.1TAG |
| Scania | 9Y9XL11.7BBA |
| | 9Y9XL11.7BBB |
| | 9Y9XL15.6BDE |
| TOYOTA INDUSTRIAL | 9TALL02.51DZ |
| Yanmar | 9YDXL2.00N4T |
| | 9YDXL3.05K4N |
| | 9YDXL3.32C4N |
| | 9YDXL3.32C4T |
| | 9YDXL3.32M4N |
| | 9YDXL3.32M4T |

Model Year 2010 Engines

| Manufacturer | Engine Families |
|---|---|
| Cummins | ACEXL0275AAG |
| | ACEXL0275AAH |
| | ACEXL0275AAK |
| | ACEXL0409AAB |
| | ACEXL0409AAC |
| | ACEXL0409AAD |
| | ACEXL0505AAE |
| | ACEXL078.AAA |
| | ACEXL060.AAD |
| | ACEXL060.AAB |
| | ACEXL050.AAA |
| | ACEXL050.ABA |
| | ACEXL050.AAD |
| | ACEXL050.AAF |
| | ACEXL019.AAD |
| | ACEXL050.AAC |
| | ACEXL0540AAB |
| | ACEXL0540AAC |
| | ACEXL0540AAD |
| | ACEXL015.AAE |
| | ACEXL015.AAH |
| | ACEXL015.AAJ |
| | ACEXL030.AAB |
| | ACEXL030.AAD |
| | ACEXL030.ABA |
| | ACEXL045.AAA |
| | ACEXL0661AAF |
| | ACEXL0661AAG |
| | ACEXL0661AAH |
| | ACEXL0661AAJ |
| | ACEXL023.AAA |
| | ACEXL023.AAB |
| | ACEXL023.AAC |
| | ACEXL03.3ACA |
| | ACEXL03.3ACB |
| | ACEXL03.3ACD |
| | ACEXL03.3ACE |
| Doosan Infracore | ADICL05.8UTA |
| | ADICL11.0UJA |

Model Year 2010 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| John Deere Power | AJDXL02.9050 |
| | AJDXL03.0064 |
| | AJDXL03.0113 |
| | AJDXL03.0203 |
| | AJDXL03.0206 |
| | AJDXL03.0208 |
| | AJDXL04.5083 |
| | AJDXL04.5107 |
| | AJDXL06.8049 |
| | AJDXL06.8078 |
| | AJDXL06.8080 |
| | AJDXL06.8104 |
| | AJDXL06.8105 |
| | AJDXL06.8106 |
| | AJDXL06.8117 |
| | AJDXL08.1037 |
| | AJDXL09.0114 |
| Komatsu, Ltd. | AKLXL050.AAA |
| | AKLXL050.AAC |
| | AKLXL060.AAA |
| | AKLXL060.AAB |
| | AKLXL078.AAA |
| | AKLXL0275AAG |
| | AKLXL0275AAH |
| | AKLXL0409AAB |
| | AKLXL0409AAC |
| | AKLXL0505AAE |
| | AKLXL03.3JA6 |
| | AKLXL03.3JB6 |
| | AKLXL03.3JD6 |
| | AKLXL03.3JD8 |
| | AKLXL03.3JD9 |
| | AKLXL30.5GD3 |
| | AKLXL23.2FD5 |
| | AKLXL23.2FD6 |
| | AKLXL23.2FD7 |
| Liebherr Machines | ALHAL10.5LPA |
| | ALHAL12.0KPA |

Model Year 2010 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| Mitsubishi | AMVXL03.3AAH |
| | AMVXL04.2BBB |
| | AMVXL04.2CCC |
| | AMVXL05.0AAD |
| | AMVXL05.0AAG |
| | AMVXL06.5FFF |
| | AMVXL24.5BBA |
| | AMVXL33.9BBA |
| | AMVXL37.1BBA |
| | AMVXL49.0BBA |
| | AMVXL65.4BBA |
| MTU Detroit Diesel | AMDDL31.8XRR |
| Perkins Engines | APKXL06.6PJ2 |
| | APKXL15.2TA2 |
| | APKXL15.2TAG |
| | APKXL18.1TAG |

Model Year 2011 Engines

| Manufacturer | Engine Families |
|---|---|
| AGCO Sisu Power | BSIDL07.4G5C |
| | BSIDL07.4G4E |
| Caterpillar | BCPXL12.5ESK |
| | BCPXL15.2ESW |
| | BCPXL11.1ESK |
| | BCPXL18.1ESK |
| CNH UK LTD. | BNHXL04.5DAA |
| | BNHXL04.5DAB |
| | BNHXL04.5DCA |
| | BNHXL06.7DAA |
| | BNHXL06.7DCC |
| | BNHXL06.7DCA |
| | BNHXL06.7DCB |
| Cummins | BCEXL050.AAB |
| | BCEXL050.AAC |
| | BCEXL0275AAG |
| | BCEXL0275AAH |
| | BCEXL03.3ACA |
| | BCEXL03.3ACB |
| | BCEXL03.3ACD |
| | BCEXL03.3ACE |
| | BCEXL0409AAC |
| Hyundai Motor Co | BHYXL03.9TDI |
| Ishikawajima Shibaura | BH3XL2.22N4L |
| IVECO | BVEXL04.5DAA |
| | BVEXL04.5DAB |
| | BVEXL04.5DCA |
| | BVEXL06.7DAA |
| | BVEXL06.7DCC |
| | BVEXL03.2 TCI |
| | BVEXL03.2TAI |
| | BVEXL06.7DCB |
| | BVEXL06.7DCA |
| JCB Power Systems | BJCBL04.4TA7 |
| | BJCBL04.4TA8 |
| | BJCBL04.4TAE |
| | BJCBL04.4TC6 |

Model Year 2011 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| John Deere Power | BJDXL02.9050 |
| | BJDXL03.0064 |
| | BJDXL03.0113 |
| | BJDXL03.0203 |
| | BJDXL03.0206 |
| | BJDXL03.0208 |
| | BJDXL04.5107 |
| | BJDXL06.8078 |
| | BJDXL06.8104 |
| | BJDXL06.8105 |
| | BJDXL06.8106 |
| Komatsu, Ltd. | BKLXL0275AAG |
| | BKLXL0275AAH |
| | BKLXL0409AAC |
| | BKLXL03.3JA6 |
| | BKLXL03.3JB6 |
| | BKLXL03.3JD6 |
| | BKLXL03.3JD7 |
| Kubota | BKBXL02.4HAD |
| | BKBXL03.6BCD |
| Kukje Machinery | BKMCL2.28A41 |
| | BKMCL2.39A44 |
| Mitsubishi Fuso Truck | BMFTL02.8M4B |
| Mitsubishi Heavy Industries | BMVXL022.5HHH |
| | BMVXL03.3AAC |
| | BMVXL03.3AAH |
| | BMVXL04.2BBB |
| | BMVXL05.0AAG |
| | BMVXL04.2CCC |
| | BMVXL05.0AAD |
| | BMVXL06.4FFF |
| Perkins | BPKXL04.4NJ1 |
| | BPKXL04.4NJ2 |
| | BPKXL04.4NM1 |
| | BPKXL04.4NM2 |
| | BPKXL04.4RG3 |
| | BPKXL06.6PJ2 |
| | BPKXL06.6PJ3 |

Model Year 2011 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| Toyota Industrial | BTALL02.51DZ |
| UD Trucks Corp. | BNDXL03.2TNA |
| | BNDXL04.2TNA |
| VM Motori S.P.A. | BV5XL04.5T60 |

Model Year 2012 Engines

| Manufacturer | Engine Families |
|---|---|
| Caterpillar | CCPXL07.2ESJ |
| | CCPXL08.8ESJ |
| | CCPXL08.8NZS |
| | CCPXL106.NZS |
| | CCPXL11.1ESJ |
| | CCPXL11.1ESK |
| | CCPXL12.5ESJ |
| | CCPXL12.5ESK |
| | CCPXL15.2ESJ |
| | CCPXL15.2ESW |
| | CCPXL15.2NYS |
| | CCPXL15.2NZS |
| | CCPXL18.1ESJ |
| | CCPXL18.1ESK |
| | CCPXL18.1NYS |
| | CCPXL18.1NZS |
| | CCPXL27.0ESJ |
| | CCPXL27.0NZS |
| | CCPXL32.0NZS |
| | CCPXL78.1NZS |
| Cummins | CCEXL015.AAH |
| | CCEXL015.AAJ |
| | CCEXL019.AAD |
| | CCEXL023.AAB |
| | CCEXL0275AAG |
| | CCEXL0275AAK |
| | CCEXL03.3ACD |
| | CCEXL03.3ACE |
| | CCEXL030.AAD |
| | CCEXL0409AAB |
| | CCEXL0409AAC |
| | CCEXL0409AAD |
| | CCEXL050.AAD |
| | CCEXL0505AAE |
| | CCEXL0540AAB |
| | CCEXL15.0AAI |
| John Deere Power | CJDXL03.0113 |
| | CJDXL03.0203 |
| | CJDXL04.5107 |
| | CJDXL04.5119 |
| | CJDXL06.8120 |
| | CJDXL09.0114 |
| | CJDXL09.0140 |
| | CJDXL13.5132 |

Model Year 2012 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| Detroit Diesel | CDDXL14.0WLD |
| Deutz | CDZXL03.1041 |
| DOOSAN INFRACORE | CDICL18.3USA |
| | CDICL21.9UYA |
| FPT INDUSTRIAL S.P. | CFPXL03.2TAI |
| | CFPXL06.7DGB |
| | CFPXL06.7DGS |
| | CFPXL08.7TR3 |
| | CFPXL10.3TR3 |
| | CFPXL12.9IGR |
| Komatsu, Ltd. | CKLXL03.3JA6 |
| | CKLXL03.3JD9 |
| | CKLXL23.2FD5 |
| Kubota | CKBXL02.4HAD |
| | CKBXL03.6BCD |
| Kukje Machinery | CKMCL3.41D43 |
| Mitsubishi Fuso Truck | CMFTL02.8M4B |
| MTU Detroit Diesel | CMDDL14.0ZWK |
| | CMDDL21.0ZWR |
| | CMDDL31.8XRR |
| | CMDDL35.8GRR |
| | CMDDL95.4XTR |
| Perkins | CPKXL04.4NJ1 |
| | CPKXL06.6PJ1 |
| | CPKXL06.6PJ2 |
| | CPKXL06.6PJ3 |
| | CPKXL12.5TAG |
| | CPKXL15.2TA2 |
| | CPKXL15.2TAG |
| | CPKXL18.1TAG |
| SIMPSON & C. | CSCLL03.6V74 |
| TIEM | CTIEL05.26CA |
| AB Volvo Penta | CVPXL16.1ACB |
| | CVPXL16.1ACG |
| | CVPXL16.1ACW |
| Yanmar | CYDXL3.32R4N |

Model Year 2013 Engines

| Manufacturer | Engine Families |
|---|---|
| CATERPILLAR | DCPXL07.2ESJ |
| | DCPXL08.8ESJ |
| | DCPXL08.8NZS |
| | DCPXL106.NZS |
| | DCPXL11.1ESJ |
| | DCPXL12.5ESJ |
| | DCPXL15.2NYS |
| | DCPXL15.2NZS |
| | DCPXL18.1ESJ |
| | DCPXL18.1NYS |
| | DCPXL18.1NZS |
| | DCPXL27.0NZS |
| | DCPXL32.0NZS |
| | DCPXL78.1NZS |
| Cummins | DCEXL015.AAH |
| | DCEXL015.AAJ |
| | DCEXL019.AAD |
| | DCEXL023.AAB |
| | DCEXL0275AAG |
| | DCEXL0275AAH |
| | DCEXL0275AAK |
| | DCEXL030.AAD |
| | DCEXL0409AAB |
| | DCEXL0409AAC |
| | DCEXL0409AAD |
| | DCEXL050.AAD |
| | DCEXL0505AAE |
| | DCEXL0540AAB |
| | DCEXL060.AAD |
| | DCEXL0661AAH |

Model Year 2013 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| John Deere Power | DJDXL03.0208 |
| | DJDXL04.5119 |
| | DJDXL04.5141 |
| | DJDXL04.5212 |
| | DJDXL06.8104 |
| | DJDXL06.8105 |
| | DJDXL06.8106 |
| | DJDXL06.8120 |
| | DJDXL09.0114 |
| | DJDXL13.5132 |
| DETROIT DIESEL | DDDXL14.0WLD |
| DOOSAN | DDICL18.3USA |
| | DDICL21.9UYA |
| FPT INDUSTRIAL S.P. | DFPXL06.7DGB |
| | DFPXL06.7DGS |
| | DFPXL08.7TR3 |
| | DFPXL10.3TR3 |
| | DFPXL12.9IGR |
| KOMATSU LTD. | DKLXL060.AAE |
| | DKLXL23.2FD5 |
| KUKJE MACHINERY | DKMCL3.41D43 |
| MITSUBISHI | DMVXL24.5BBA |
| | DMVXL33.9BBA |
| | DMVXL37.1BBA |
| | DMVXL49.0BBA |
| | DMVXL65.4BBA |
| | DMVXL65.4BBB |
| MTU Detroit Diesel | DMDDL14.0ZWK |
| | DMDDL21.0ZWR |
| | DMDDL31.8XRR |
| | DMDDL35.8GRR |
| | DMDDL95.4XTR |

Model Year 2013 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| PERKINS | DPKXL04.4NH1 |
| | DPKXL04.4NJ1 |
| | DPKXL04.4NJ2 |
| | DPKXL04.4NM1 |
| | DPKXL04.4NM2 |
| | DPKXL06.6PJ1 |
| | DPKXL06.6PJ2 |
| | DPKXL06.6PJ3 |
| | DPKXL12.5TAG |
| | DPKXL15.2TA2 |
| | DPKXL15.2TAG |
| | DPKXL18.1TAG |
| AB Volvo Penta | DVPXL16.1ACB |
| | DVPXL16.1ACG |
| | DVPXL16.1ACW |

Model Year 2014 Engines

| Manufacturer | Engine Families |
|---|---|
| CATERPILLAR | ECPXL08.8NZS |
| | ECPXL106.NZS |
| | ECPXL12.5NYS |
| | ECPXL15.2NYS |
| | ECPXL15.2NZS |
| | ECPXL18.1NYS |
| | ECPXL18.1NZS |
| | ECPXL27.0NZS |
| | ECPXL32.0NZS |
| | ECPXL78.1NZS |
| Cummins | ECEXL015.AAH |
| | ECEXL015.AAJ |
| | ECEXL019.AAD |
| | ECEXL023.AAB |
| | ECEXL0275AAG |
| | ECEXL0275AAH |
| | ECEXL0275AAK |
| | ECEXL03.3ACF |
| | ECEXL03.3ACG |
| | ECEXL03.3ACH |
| | ECEXL03.3ACK |
| | ECEXL030.AAD |
| | ECEXL0409AAB |
| | ECEXL0409AAC |
| | ECEXL0409AAD |
| | ECEXL050.AAD |
| | ECEXL0505AAE |
| | ECEXL0540AAB |
| | ECEXL060.AAD |
| | ECEXL0661AAH |
| | ECEXL13.0AAA |

Model Year 2014 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| John Deere Power | EJDXL13.5146 |
| | EJDXL04.5119 |
| | EJDXL04.5141 |
| | EJDXL04.5214 |
| | EJDXL06.8105 |
| | EJDXL06.8120 |
| | EJDXL09.0114 |
| | EJDXL13.5132 |
| DETROIT DIESEL | EDDXL14.0WLD |
| DOOSAN | EDICL18.3USA |
| | EDICL21.9UYA |
| FPT INDUSTRIAL S.P. | EFPXL06.7DGB |
| | EFPXL06.7DGS |
| | EFPXL08.7TR3 |
| | EFPXL10.3TR3 |
| | EFPXL12.9IGR |
| ISM | EH3XL2.22N4L |
| KOMATSU LTD. | EKLXL060.AAE |
| | EKLXL23.2FD5 |
| KUKJE MACHINERY | EKMCL3.41D43 |
| MITSUBISHI | EMVXL24.5BBA |
| | EMVXL33.9BBA |
| | EMVXL37.1BBA |
| | EMVXL49.0BBA |
| | EMVXL65.4BBA |
| | EMVXL65.4BBB |
| MTU | EMDDL14.0ZWK |
| | EMDDL21.0ZWR |
| | EMDDL35.8GRR |
| | EMDDL95.4XTR |

Model Year 2014 Engines (Continued)

| Manufacturer | Engine Families |
|---|---|
| PERKINS | EPKXL04.4NH1 |
| | EPKXL04.4NH3 |
| | EPKXL04.4NJ2 |
| | EPKXL04.4NJ3 |
| | EPKXL04.4NM1 |
| | EPKXL04.4NM2 |
| | EPKXL06.6PJ1 |
| | EPKXL06.6PJ2 |
| AB Volvo Penta | EVPXL16.1ACB |
| | EVPXL16.1ACG |
| | EVPXL16.1ACW |