

**Attachment 1: Verified for Stationary Diesel Engines
Caterpillar DPF for Stationary
Off-Road Certified Engine Family List (0 ≤ 0.2 g/bhp-hr PM)**

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 |
| Detroit Diesel Corporation | VDD8.5TJDARE |
| | VDD12.TJDARE |
| Deere | VJD10.RJDBRB |
| | VJD12.RJDBRA |
| | 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 |
| | WVPXL16.0ACB |
| Case | WX9XL0239ACA |
| | WX9XL0359ABA |
| | WX9XL0505ABA |
| | WX9XL0505ABB |
| | WX9XL0505ACA |
| Caterpillar | WCPXL07.0MRB |
| | WCPXL10.5MRD |
| | WCPXL10.5MRG |
| | WCPXL14.6ERK |
| | WCPXL14.6MRJ |
| | WCPXL15.8ERK |
| | WCPXL27.0HRK |
| 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 |
| | WKDXL0239ACA |
| | WKDXL0359ABA |
| | WKLXL11.0DB1 |
| | WKLXL11.0DC1 |
| | WKLXL15.2EB1 |
| | WKLXL15.2EC1 |
| | WKLXL23.2FC1 |
| | WKLXL7.15CB1 |
| | WKLXL7.15CC1 |
| MTU | WMUXL12.0G2V |
| Navistar | WNVXL0530ANA |
| | WNVXL0530BNB |
| | WNVXL0530BND |

Model Year 1999 Engines

| Manufacturer | Engine Families |
|----------------|-----------------|
| AB Volvo Penta | XVPXL07.3ABB |
| | XVPXL07.3ACB |
| | XVPXL09.6ACB |
| | XVPXL12.0ACB |
| | XVPXL16.0ACB |
| | XVPXL16.0ACB |
| Case | XX9XL0239ACA |
| | XX9XL0359ABA |
| | XX9XL0505ABA |
| | XX9XL0505ABB |
| Caterpillar | XX9XL0505ACA |
| | XCPXL07.0MRB |
| | XCPXL07.0MRD |
| | XCPXL10.5MRD |
| | XCPXL10.5MRG |
| | XCPXL14.6ERK |
| Cummins | XCPXL15.8ERK |
| | XCPXL27.0HRK |
| | XCEXL019.AAA |
| | XCEXL0359ABA |
| | XCEXL0505ABA |
| | XCEXL0505ABB |
| | XCEXL0505ACA |
| | XCEXL0661AAA |
| | XCEXL0855AAA |
| | XCEXL0855AAB |
| 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 | |

Model Year 1999 Engines Continued

| Manufacturer | Engine Families |
|----------------------------|-----------------|
| 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 |
| Komatsu | XKLXL0239ACA |
| | 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 |

Model Year 1999 Engines Continued

| Manufacturer | Engine Families |
|--------------|-----------------|
| 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 |
| | YVPXL16.0ACB |
| Case | YX9XL0239ACA |
| | YX9XL0239ADA |
| | YX9XL0359ABA |
| | YX9XL0359ABB |
| | YX9XL0505ABA |
| | YX9XL0505ABB |
| Caterpillar | YCPXL07.0MRB |
| | YCPXL10.5MRD |
| | YCPXL10.5MRG |
| | YCPXL14.6ERK |
| | YCPXL15.8ERK |
| | YCPXL27.0HRK |
| | YCPXL27.0HRP |
| | YCPXL27.0MRH |
| | YCPXL27.0MRS |
| | YCPXL27.0MRT |
| | YCPXL34.5ERK |
| | YCPXL69.0ERK |
| | Cummins |
| YCEXL03.3AAB | |
| YCEXL015.ABA | |
| YCEXL019.AAA | |
| YCEXL019.AAB | |
| YCEXL030.ABA | |
| YCEXL050.ABA | |
| YCEXL0239ACA | |
| YCEXL0239ADA | |
| YCEXL0359AAA | |
| YCEXL0359ABA | |
| YCEXL0359ABC | |
| YCEXL050.AAA | |
| YCEXL0505ABA | |
| YCEXL0505ABB | |
| YCEXL0505ACA | |
| YCEXL060.AAA | |

Model Year 2000 Engines Continued

| Manufacturer | Engine Families |
|----------------------------|-----------------|
| Cummins (cont.) | YCEXL060.ABA |
| | YCEXL0661AAA |
| | YCEXL0855AAA |
| | YCEXL0855AAB |
| Daewoo | YDWXL11.1BIA |
| | YDWXL11.1DJA |
| | YDWXL18.3ASA |
| Deere | YJDXL21.9AYA |
| | YJDXL06.8012 |
| | YJDXL08.1007 |
| | YJDXL08.1008 |
| Detroit Diesel Corporation | YJDXL10.5022 |
| | YDDXL08.5TJD |
| | YDDXL11.1THD |
| | YDDXL12.1TFE |
| | YDDXL12.1TFM |
| | YDDXL12.7TGD |
| | YDDXL14.0TLD |
| | YDDXL15.9TRE |
| | YDDXL23.9TRE |
| | YDDXL31.8VRE |
| Deutz AG | YDDXL65.0VTE |
| | YDZXL02.7014 |
| | YDZXL07.1004 |
| | YDZXL07.1005 |
| | YDZXL15.9002 |
| Genrac | YDZXL15.9003 |
| | YDZXL17.5001 |
| | YGNXL13.3HAA |
| | YGNXL13.3HTA |
| Komatsu | YGNXL16.0MAA |
| | YKLXL0239ACA |
| | YKLXL0505ACA |
| | YKLXL11.0DB1 |
| | YKLXL11.0DC1 |
| | YKLXL15.2EC1 |
| | YKLXL23.2FC1 |
| | YKLXL23.2FC2 |
| | YKLXL30.5GC1 |
| | YKLXL30.5GD1 |
| YKLXL7.15CB1 | |
| YKLXL7.15CC1 | |

Model Year 2000 Engines Continued

| Manufacturer | Engine Families |
|--------------|-----------------|
| Navistar | YNVXL0466ANA |
| | YNVXL0530ANA |
| | YNVXL0530ANB |
| | YNVXL0530ANC |
| | YNVXL0530AND |
| VM Motori | YV5XI02.1R3V |
| | YV5XL02.8R2T |

Model Year 2001 Engines

| Manufacturer | Engine Families |
|----------------|-----------------|
| AB Volvo Penta | 1VPXL07.3ABB |
| | 1VPXL07.3ACB |
| | 1VPXL09.6ACB |
| | 1VPXL12.1ACB |
| | 1VPXL16.0ACB |
| Case | 1X9XL0239ACA |
| | 1X9XL0239ADA |
| | 1X9XL0359ABA |
| | 1X9XL0359ABB |
| | 1X9XL0505ABA |
| | 1X9XL0505ABB |
| | 1X9XL0505ACA |
| Caterpillar | 1CPXL07.0MRB |
| | 1CPXL10.5MRD |
| | 1CPXL10.5MRG |
| | 1CPXL12.0ESK |
| | 1CPXL14.6ESK |
| | 1CPXL15.8ERK |
| | 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 |

Model Year 2001 Engines Continued

| Manufacturer | Engine Families |
|----------------------------|-----------------|
| Cummins Continue | 1CEXL050.ABA |
| | 1CEXL0505ABA |
| | 1CEXL0505ABB |
| | 1CEXL0505ACA |
| | 1CEXL0505ACE |
| | 1CEXL0661AAA |
| | 1CEXL0661AAD |
| | 1CEXL060.AAA |
| | 1CEXL060.ABA |
| | Daewoo |
| 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 |
| | 1DDXL14.0TJD |
| | 1DDXL14.0VLD |
| | 1DDXL14.0WLD |
| | 1DDXL15.9WRE |
| | 1DDXL23.9WRE |
| 1DDXL31.8VRE | |
| 1DDXL31.8XRE | |
| 1DDXL65.0XTE | |
| Deere | 1JDXL06.8012 |
| | 1JDXL06.8038 |
| | 1JDXL06.8039 |
| | 1JDXL08.1007 |
| | 1JDXL08.1008 |
| | 1JDXL08.1036 |
| 1JDXL08.1037 | |

Model Year 2001 Engines Continued

| Manufacturer | Engine Families | |
|---------------|-----------------|--------------|
| Deutz | 1DZXL02.7014 | |
| | 1DZXL02.7015 | |
| | 1DDXL08.5TJD | |
| | 1DDXL08.5YJD | |
| | 1DZXL07.1004 | |
| | 1DZXL07.1005 | |
| | 1DZXL15.9002 | |
| | 1DZXL15.9003 | |
| | Generac | 1GNXL03.0KTA |
| | | 1GNXL04.0HAA |
| 1GNXL04.0HNA | | |
| Isuzu | 1GNXL05.0FAA | |
| | 1SZXL06.5BTA | |
| | 1SZXL09.8EXA | |
| International | 1SZXL15.7ETA | |
| | 1SZXL15.7EXA | |
| | 1NVXL0530ANA | |
| | 1NVXL0530ANC | |
| Komatsu | 1NVXL0530AND | |
| | 1NVXL0530ANF | |
| | 1KLXL0239ACA | |
| | 1KLXL0239ADA | |
| | 1KLXL0359ABA | |
| | 1KLXL0359ABC | |
| | 1KLXL0505ABB | |
| | 1KLXL0505ACA | |
| | 1KLXL03.3JA1 | |
| | 1KLXL03.3JB1 | |
| 1KLXL7.15CB1 | | |
| 1KLXL7.15CC1 | | |
| 1KLXL11.0DD3 | | |
| 1KLXL15.2EC3 | | |
| 1KLXL30.5GC1 | | |
| 1KLXL30.5GD1 | | |
| 1KLXL060.AAA | | |
| 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 |
| | 2CPXL12.0ESK |
| | 2CPXL15.8ERK |
| | 2CPXL15.8ESK |
| | 2CPXL27.0HRK |
| | 2CPXL27.0MRS |
| | 2CPXL27.0MRT |
| | 2CPXL34.5ERK |
| | 2CPXL58.6ERK |
| | 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.AAA |
| | 2CEXL060.ABA |
| | 2CEXL0661AAA |
| | 2CEXL0661AAD |

Model Year 2002 Engines Continued

| Manufacturer | Engine Families |
|----------------|-----------------|
| Detroit Diesel | 2DDXL08.5TJD |
| | 2DDXL08.5YJD |
| | 2DDXL12.7VGD |
| | 2DDXL14.0TJD |
| | 2DDXL14.0VLD |
| | 2DDXL31.8XRE |
| | 2DDXL65.0XTE |
| Deere | 2JDXL06.8012 |
| | 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 |
| | 2GNXL03.0KTA |
| ISM | 2H3XL1.49N3V |
| | 2H3XL1.13LCS |
| | 2H3CL2.22NLC |

Model Year 2002 Engines Continued

| Manufacturer | Engine Families |
|---------------------|-----------------|
| Isuzu | 2SZXL06.5BTA |
| | 2SZXL09.8EXA |
| | 2SZXL15.7ETA |
| | 2SZXL15.7EXA |
| International Truck | 2NVXL0444ANA |
| | 2NVXL0530ANA |
| | 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 |
| | 2KLXL060.AAA |
| 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 |
| | 2VPXL16.0ACB |
| VM Motori | 2V5XL02.8R2T |

Model Year 2003 Engines

| Manufacturer | Engine Families |
|-----------------|-----------------|
| Caterpillar | 3CPXL12.0ESK |
| | 3CPXL15.8ERK |
| | 3CPXL15.8ESK |
| | 3CPXL18.0HRX |
| | 3CPXL27.0HRK |
| | 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.AAA |
| | 3CEXL060.ABA |
| | 3CEXL0661AAD |
| | 3CEXL078.AAB |
| Daewoo Motors | 3DWXL05.8COA |
| | 3DWXL11.1BIA |
| | 3DWXL11.1DJA |
| | 3DWXL21.9AYA |

Model Year 2003 Engines Continued

| Manufacturer | Engine Families |
|---------------------|-----------------|
| Detroit Diesel | 3DDXL08.5YGD |
| | 3DDXL08.5YJD |
| | 3DDXL12.7VGD |
| | 3DDXL14.0TJD |
| | 3DDXL14.0VLD |
| | 3DDXL15.9WRE |
| | 3DDXL31.8XRE |
| | 3DDXL35.8GRP |
| | 3DDXL65.0GTP |
| | 3DDXL65.0XTE |
| | 3DDXL90.0XTP |
| | Deere |
| 3JDXL06.8039 | |
| 3JDXL06.8041 | |
| 3JDXL06.8044 | |
| 3JDXL06.8048 | |
| 3JDXL06.8049 | |
| 3JDXL08.1037 | |
| Deutz AG | 3DZXL05.7033 |
| | 3DZXL06.1028 |
| | 3DZXL07.1005 |
| | 3DZXL07.1032 |
| | 3DZXL15.9002 |
| Daewoo Heavy Ind. | 3DWXL08.1CPA |
| | 3DWXL18.3ASC |
| | 3DWXL2.37ANT |
| Generac | 3GNXL03.0KTA |
| 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 |
| 3KLXL060.AAA | |

Model Year 2003 Engines Continued

| Manufacturer | Engine Families |
|----------------------|-----------------|
| Lombardini Motori | 3LBDL2.07CHT |
| Lister-Petter | 3L5X1.17FX8 |
| 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 |
| Perkins | 3PKXL15.8H16 |

Model Year 2004 Engines

| Manufacturer | Engine Families |
|------------------|-----------------|
| Caterpillar | 4CPXL12.0ESK |
| | 4CPXL15.8ERK |
| | 4CPXL15.8ESK |
| | 4CPXL18.0ESK |
| | 4CPXL18.0HRX |
| | 4CPXL27.0HRK |
| | 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.AAA |
| | 4CEXL060.ABA |
| | 4CEXL0661AAD |

Model Year 2004 Engines Continued

| Manufacturer | Engine Families |
|------------------|-----------------|
| Cummins Continue | 4CEXL078.AAB |
| | 4CEXL2.28A41 |
| | 4CEXL2.28A42 |
| 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 |
| Kirloskar | 4KOEL031IRPN |
| | 4KOEL042IRPN |
| 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 |
| | 4KLXL060.AAA |
| Lister Petter | 4L5XL1.17FX8 |
| MACK Trucks | 4MKXL11.9P69 |
| | 4MKXL11.9P72 |
| MOTORENFABRIK HATZ | 4HZXL3.43C42 |
| | 4HZXL3.43V42 |

Model Year 2004 Engines Continued

| Manufacturer | Engine Families |
|--------------------------|-----------------|
| 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 |
| | 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 |
| | 4VPXL16.0ACB |

Model Year 2004 Engines Continued

| Manufacturer | Engine Families |
|--------------|-----------------|
| Yanmar | 4YDXL3.05M4N |
| | 4YDXL3.32J4N |
| | 4YDXL3.32J4T |
| | 4YDXL3.32K4N |
| | 4YDXL3.32K4T |
| | 4YDXL4.41K4T |
| Perkins | 4PKXL04.4RJ1 |
| | 4PKXL15.8H16 |
| Scania AB | 4Y9XL11.7BBG |
| | 4Y9XL15.6BDA |

Model Year 2005 Engines

| Manufacturer | Engine Families |
|------------------|-----------------|
| Caterpillar | 5CPXL12.5ESK |
| | 5CPXL15.2ESK |
| | 5CPXL15.8ERK |
| | 5CPXL18.0ESK |
| | 5CPXL27.0HRK |
| | 5CPXL27.0MRS |
| | 5CPXL27.0MRT |
| | 5CPXL32.0ESK |
| | 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.AAA |
| | 5CEXL060.ABA |
| | 5CEXL078.AAB |
| | 5CEXL2.28A41 |
| | 5CEXL2.28A42 |
| Detroit Diesel Corporation | 5DDXL08.5YJD |
| | 5DDXL14.0VLD |
| | 5DDXL15.9WRE |
| | 5DDXL31.8XRE |
| | 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 | |

Model Year 2005 Engines (Continued)

| Manufacturer | Engine Families |
|-------------------------|-----------------|
| Daewoo Heavy Ind. | 5DWXL08.1CPA |
| | 5DWXL11.1BIA |
| | 5DWXL11.1DJA |
| | 5DWXL18.3ASC |
| | 5DWXL21.9AYA |
| MotorenFabrik HATZ GMBH | 5HZXL3.43C42 |
| Isuzu | 5SZXL03.1GTB |
| | 5SZXL04.3GTG |
| | 5SZXL06.5FXG |
| | 5SZXL09.8EXA |
| | 5SZXL15.7ETA |
| | 5SZXL15.7EXA |
| Iveco | 5VEXL05.9DGS |
| | 5VEXL06.7DGA |
| | 5VEXL07.8CRS |
| | 5VEXL12.9GEN |
| Komatsu | 5KLXL0239AAD |
| | 5KLXL0239AAF |
| | 5KLXL0239ADA |
| | 5KLXL0275AAC |
| | 5KLXL03.3JA3 |
| | 5KLXL03.3JB3 |
| | 5KLXL03.3JD3 |
| | 5KLXL0359AAB |
| | 5KLXL0359AAE |
| | 5KLXL0359AAL |
| | 5KLXL0359ABC |
| | 5KLXL0409AAB |
| | 5KLXL0409AAC |
| | 5KLXL0505ABD |
| | 5KLXL11.0DD3 |
| 5KLXL15.2EC3 | |
| Komatsu | 5KLXL23.2FD4 |
| | 5KLXL30.5GC1 |
| | 5KLXL30.5GD1 |
| Kubota | 5KLXL060.AAA |
| | 5KBXL03.3BAC |
| KUKJ | 5KBXL03.3BCC |
| | 5KMCL2.28A41 |
| Lombardini Motori | 5KMCL2.28A42 |
| | 5LBDL2.19CHT |

Model Year 2005 Engines (Continued)

| Manufacturer | Engine Families | |
|-----------------------------|-----------------|--------------|
| Mitsubishi Heavy Industries | 5MVXL05.0AAA | |
| | 5MVXL05.0AAC | |
| | 5MVXL05.0AAD | |
| | 5MVXL24.5ABB | |
| | 5MVXL33.9ABB | |
| | 5MVXL37.1ABC | |
| | 5MVXL49.0ABD | |
| | 5MVXL65.4ABB | |
| | 5MVXL65.4ABH | |
| | MITF | 5MFTL07.5D6A |
| MTU-Friedrichshafen | 5MTUL21.9R2A | |
| Nissan Diesel | 5NDXL02.7TNA | |
| | 5NDXL03.0FTA | |
| Perkins | 5PKXL06.6PJ1 | |
| | 5PKXL06.6PJ2 | |
| | 5PKXL18.0H16 | |
| | 5PKXL18.0H18 | |
| SCANIA | 5Y9XL11.7BBG | |
| | 5Y9XL11.7BBI | |
| | 5Y9XL15.6BDB | |
| 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 | | |
| 5YDXL4.41K4T | | |

Model Year 2006 Engines

| Manufacturer | Engine Families |
|------------------|-----------------|
| AB Volvo Penta | 6VPXL12.1BAA |
| | 6VPXL16.1ACB |
| | 6VPXL9.4BAA |
| Caterpillar | 6CPXL08.0ESK |
| | 6CPXL15.2ESK |
| | 6CPXL15.2ESL |
| | 6CPXL18.0ESK |
| | 6CPXL18.1ESK |
| | 6CPXL18.1ESL |
| | 6CPXL27.0ESL |
| | 6CPXL27.0HRK |
| | 6CPXL32.0ESK |
| | 6CPXL34.5E2T |
| | 6CPXL34.5T2E |
| | 6CPXL34.5E2W |
| | 6CPXL51.8E2W |
| | 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 | |

Model Year 2006 Engines (Continued)

| Manufacturer | Engine Families | |
|----------------------------|-----------------|--------------|
| Cummins (cont.) | 6CEXL0359AAF | |
| | 6KLXL0359AAL | |
| | 6CEXL0359AAN | |
| | 6CEXL0359ABC | |
| | 6CEXL0359ABE | |
| | 6CEXL0409AAB | |
| | 6CEXL0409AAC | |
| | 6CEXL050.AAD | |
| | 6CEXL050.ABA | |
| | 6CEXL0505ABD | |
| | 6CEXL0540AAB | |
| | 6CEXL060.AAD | |
| | 6CEXL078.AAB | |
| | DAIMLERCHRYSLER | 6MBXL7.20RJA |
| | | 6MBXL12.8RJB |
| Deere | 6JDXL03.0064 | |
| | 6JDXL04.5057 | |
| | 6JDXL04.5083 | |
| | 6JDXL06.8001 | |
| | 6JDXL06.8004 | |
| | 6JDXL06.8006 | |
| | 6JDXL06.8038 | |
| | 6JDXL06.8041 | |
| | 6JDXL06.8048 | |
| | 6JDXL06.8049 | |
| | 6JDXL06.8078 | |
| | 6JDXL08.1037 | |
| | 6JDXL12.5035 | |
| | 6JDXL12.5073 | |
| | 6JDXL13.5103 | |
| Detroit Diesel Corporation | 6DDXL14.0VLD | |
| | 6DDXL31.8XRR | |
| Deutz | 6DZXL06.1038 | |
| | 6DZXL06.1028 | |
| | 6DZXL05.7033 | |
| | 6DZXL06.5036 | |
| | 6DZXL06.5037 | |
| | 6DZXL06.5042 | |
| | 6DZXL03.1066 | |
| | 6DZXL03.1039 | |
| 6DZXL03.1040 | | |

Model Year 2006 Engines (Continued)

| Manufacturer | Engine Families |
|----------------------------------|-----------------|
| Isuzu | 6SZXL04.3GTG |
| | 6SZXL06.5FXG |
| | 6SZXL05.2HXA |
| | 6SZXL05.2IXA |
| | 6SZXL07.8HXA |
| | 6SZXL15.7HXA |
| 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 |
| Perkins | 6PKXL06.6PJ1 |
| | 6PKXL06.6PJ2 |
| 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 |
| 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 | |
| 7JDXL13.5103 | |

Model Year 2007 Engines (Continued)

| Manufacturer | Engine Families |
|---------------------------------|------------------|
| Detroit Diesel Corporation | 7DDXL14.0VLD |
| | 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 |
| 7DWXL05.8UTA | |
| 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 |
| | 7SZXL05.2IXB |
| | 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 |
| | 7KBXL03.3BBB |
| | 7KBXL03.3BCC |
| | 7KBXL03.3BCD |
| | 7KBXL03.3CCD |
| | 7KBXL03.8AHD |
| | Lombardini S.R.L. |
| 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 |
| Nissan | 7NDXL02.7TNA |
| | 7NDXL03.0FTA |
| | 7NDXL03.2TNA |

Model Year 2007 Engines (Continued)

| Manufacturer | Engine Families |
|------------------------------------|-----------------|
| Perkins Engines | 7PKXL03.3DC1 |
| | 7PKXL03.3DD1 |
| | 7PKXL04.4NH1 |
| | 7PKXL04.4NJ1 |
| | 7PKXL04.4RE1 |
| | 7PKXL04.4RF1 |
| | 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 |
| Detroit Diesel | 8DDXL14.0VLD |
| 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 |
| | 8JDXL13.5103 |
| 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 |
|------------------|-----------------|
| Detroit Diesel | 9DDXL14.DVLD |
| 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 |
| | 9JDXL13.5103 |
| 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 |

When installing the Permit Filter on 2010 Caterpillar engines listed below, the engine operating parameters (minimum load and exhaust temperature) must be met for 30% of operating time or 2 hours, whichever is longer, for the engine to meet the verification conditions.

Model Year 2010 Engines (Continued)

| Manufacturer | Engine Families |
|--------------|-----------------|
| Deere | AJDXL06.8117 |

Model Year 2010 Engines

| Caterpillar Engine Families | Minimum Regeneration Criteria | |
|-----------------------------|-------------------------------|----------|
| | % Load | Temp. °C |
| ACPXL08.8ESK | 40% | 335 |
| ACPXL08.8ESL | 50% | 340 |
| ACPXL08.8ESX | 25% | 385 |
| ACPXL10.3ESL | 50% | 375 |
| ACPXL11.1ESK | 35% | 375 |
| ACPXL12.5ESK | 20% | 400 |
| ACPXL15.2ELW | 10% | 336 |
| ACPXL15.2ESW | 25% | 290 |
| ACPXL15.2ESX | 10% | 336 |
| ACPXL15.2NZV | 35% | 320 |
| ACPXL18.1ESK | 35% | 350 |
| ACPXL18.1ESW | 25% | 357 |
| ACPXL18.1ESX | 50% | 360 |
| ACPXL27.0ESK | 20% | 330 |
| ACPXL27.0ESW | 20% | 335 |
| ACPXL27.0ESX | 35% | 325 |
| ACPXL32.0ESP | 20% | 325 |
| ACPXL32.0ESW | 15% | 280 |
| ACPXL32.0ESX | 25% | 280 |
| ACPXL34.5T2C | 25% | 280 |
| ACPXL58.6T2E | 10% | 406 |
| ACPXL58.6T2X | 25% | 335 |
| ACPXL58.6T2Y | 25% | 350 |
| ACPXL78.1E2W | 20% | 325 |
| ACPXL78.1T2E | 10% | 330 |
| ACPXL78.1T2X | 25% | 332 |
| ACPXL78.1T2Y | 25% | 340 |
| ACPXL106.T2E | 15% | 350 |
| ACPXL106.T2M | 15% | 380 |

When installing the Permit Filter on Caterpillar engines listed below, the engine operating parameters (minimum load and exhaust temperature) must be met for 30% of operating time or 2 hours, whichever is longer, for the engine to meet the verification conditions.

Model Year 2011 Engines

| Caterpillar Engine Families | Minimum Regeneration Criteria | |
|-----------------------------|-------------------------------|----------|
| | % Load | Temp. °C |
| BCPXL11.1ESK | 35% | 375 |
| BCPXL12.5ESK | 20% | 400 |
| BCPXL15.2ESW | 20% | 400 |
| BCPXL18.1ESK | 35% | 350 |

Model Year 2012 Engines

| Caterpillar Engine Families | Minimum Regeneration Criteria | |
|-----------------------------|-------------------------------|----------|
| | % Load | Temp. °C |
| CCPXL07.2ESJ | 55% | 390 |
| CCPXL11.1ESJ | 35% | 375 |
| CCPXL12.5ESJ | 20% | 400 |
| CCPXL15.2ESJ | 20% | 400 |
| CCPXL18.1ESJ | 35% | 350 |

Model Year 2013 Engines

| Caterpillar Engine Families | Minimum Regeneration Criteria | |
|-----------------------------|-------------------------------|----------|
| | % Load | Temp. °C |
| DCPXL07.2ESJ | 55% | 390 |
| DCPXL11.1ESJ | 35% | 375 |
| DCPXL12.5ESJ | 20% | 400 |
| DCPXL18.1ESJ | 35% | 350 |