

**ARB-Approved Engine Families for the Nett Technologies Inc.**

**VorTEQ™ 100 DPF System**

Relating to Conditional Verification 13-944-1757

**Effective Date: March 3, 2014**

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Note: The VorTEQ™ 100 DPF system verification only supports engine models with power ratings between 65 and 175 horsepower. Engine Families which include models with power ratings outside the scope of the verified power range are identified with "HP" in the Notes column.

Model Year	Manufacturer	Engine Family	Displacement (L)				Notes
			1	2	3	4	
1996	Caterpillar	TCP10.RZDBRF	10.5	*	*	*	HP
1996	Caterpillar	TCP6.6RZDBRB	6.6	*	*	*	HP
1996	Deutz	TDZ7.1R6DARA	7.1	*	*	*	HP
1996	Deutz	TDZ7.1R6DARB	7.1	*	*	*	HP
1996	International	TNV466R6DASC	7.6	*	*	*	HP
1996	Iveco	TVE7.7R6DARA	7.7	*	*	*	HP
1996	Komatsu	TKL11.RZDARA	11.0	*	*	*	HP
1996	Liebherr Machines Bulle SA	TLH9.9R6DARA	6.6	10.0	*	*	HP
1997	Caterpillar	VCP442DZDARK	7.2	*	*	*	HP
1997	Caterpillar	VCP7.0RZDARB	7.0	*	*	*	HP
1997	Caterpillar	VCP7.2RZDARB	7.2	*	*	*	HP
1997	Cummins	VCE359R6DTRB	5.9	*	*	*	HP
1997	Deere	VJD6.8R6DBRA	4.5	6.8	*	*	HP
1997	Deere	VJD6.8R6DBRC	4.5	6.8	*	*	HP
1997	Deere	VJD6.8R6DBRD	4.5	6.8	*	*	HP
1997	Deere	VJD8.1R6DBRA	8.1	*	*	*	HP
1997	Deere	VJD8.1R6DBRC	8.1	*	*	*	HP
1997	Deere	VJD8.1R6DBRD	8.1	*	*	*	HP
1997	Deere	VJD8.1R6DBRA	8.1	*	*	*	HP
1997	Deere	VJD8.1R6DBRC	8.1	*	*	*	HP
1997	Deere	VJD8.1R6DBRD	8.1	*	*	*	HP
1997	Deutz	VDZ7.1R6DARA	7.2	*	*	*	HP
1997	Deutz	VDZ7.1R6DARB	7.2	*	*	*	HP
1997	Deutz	VDZ7.1R6DARB	7.2	*	*	*	HP
1997	International	VNV466R6DASC	7.6	*	*	*	HP
1997	Isuzu	VSZ9.8R6DARB	9.8	*	*	*	HP
1997	Iveco	VVE7.7R6DARA	7.7	*	*	*	HP
1997	Komatsu	VKD505R6DTRA	8.3	*	*	*	HP
1997	Liebherr Machines Bulle SA	VLH9.9R6DARA	6.6	10.0	*	*	HP
1998	AB Volvo Penta	WVPXL05.5AAA	5.5	*	*	*	*
1998	Case	WX9XL0239ABA	3.9	*	*	*	*
1998	Case	WX9XL0239ACA	3.9	*	*	*	*
1998	Case	WX9XL0359AAA	5.9	*	*	*	*
1998	Case	WX9XL0359ABA	5.9	*	*	*	HP
1998	Case	WX9XL0505AAA	8.3	*	*	*	HP
1998	Caterpillar	WCPXL06.6MRB	6.6	*	*	*	HP
1998	Caterpillar	WCPXL07.0MRB	7.0	*	*	*	HP
1998	Caterpillar	WCPXL07.2MRB	7.2	*	*	*	HP
1998	Cummins	WCEXL0359AAA	5.9	*	*	*	*
1998	Cummins	WCEXL0359ABA	5.9	*	*	*	HP
1998	Cummins	WCEXL0505AAA	8.3	*	*	*	HP
1998	Deere	WJDXL06.8012	4.5	6.8	*	*	HP
1998	Deere	WJDXL06.8013	6.8	*	*	*	HP
1998	Deere	WJDXL06.8014	4.5	6.8	*	*	HP
1998	Deere	WJDXL06.8015	4.5	6.8	*	*	HP
1998	Deere	WJDXL08.1009	8.1	*	*	*	HP

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			1	2	3	4	
1998	Deutz	WDZXL07.1003	4.8	7.1	*	*	HP
1998	Deutz	WDZXL07.1004	4.8	7.1	*	*	HP
1998	International	WNVXL0466BNA	7.8	*	*	*	HP
1998	Isuzu	WSZXL09.8DTB	9.8	*	*	*	HP
1998	Iveco	WVEXL07.7DAR	7.7	*	*	*	HP
1998	Komatsu	WKLXL11.0DA1	11.0	*	*	*	HP
1998	Komatsu Dresser	WKDXL0239ABA	3.9	*	*	*	*
1998	Komatsu Dresser	WKDXL0239ACA	3.9	*	*	*	*
1998	Komatsu Dresser	WKDXL0359AAA	5.9	*	*	*	*
1998	Liebherr Machines Bulle SA	WLHAL9.96ARA	6.6	10.0	*	*	HP
1998	Liebherr Machines Bulle SA	WLHAL9.96ASA	6.6	10.0	*	*	HP
1998	Mercedes-Benz	WMBXL5.96R6B	4.0	6.0	*	*	*
1999	Case	XX9XL0359ABA	5.9	*	*	*	HP
1999	Case	XX9XL0505AAA	8.3	*	*	*	HP
1999	Caterpillar	XCPXL10.5MRF	10.5	*	*	*	HP
1999	Cummins	XCEXL0359ABA	5.9	*	*	*	HP
1999	Cummins	XCEXL0505AAA	8.3	*	*	*	HP
1999	Deere	XJDXL06.8012	4.5	6.8	*	*	HP
1999	Deere	XJDXL06.8013	6.8	*	*	*	HP
1999	Deere	XJDXL06.8014	4.5	6.8	*	*	HP
1999	Deere	XJDXL06.8015	4.5	6.8	*	*	HP
1999	Deere	XJDXL08.1007	8.1	*	*	*	HP
1999	Deere	XJDXL08.1009	8.1	*	*	*	HP
1999	Deutz	XDZXL07.1004	4.8	7.2	*	*	HP
1999	Deutz	XDZXL07.1005	4.8	7.2	*	*	HP
1999	International	XNVXL0466ANA	7.6	*	*	*	HP
1999	International	XNVXL0466BNA	7.6	*	*	*	HP
1999	International	XNVXL0530AND	8.7	*	*	*	HP
1999	Isuzu	XSZXL09.8DTB	9.8	*	*	*	HP
1999	Komatsu	XKLXL11.0DA1	11.0	*	*	*	HP
1999	Komatsu Dresser	XKDXL0359ABA	5.9	*	*	*	HP
1999	Komatsu Dresser	XKDXL0505AAA	8.3	*	*	*	HP
1999	Liebherr Machines Bulle SA	XLHAL9.96ASA	6.6	10.0	*	*	HP
2000	Case	YX9XL0359ABA	5.9	*	*	*	HP
2000	Case	YX9XL0359ABB	5.9	*	*	*	HP
2000	Caterpillar	YCPXL07.0MRB	7.0	*	*	*	HP
2000	Caterpillar	YCPXL07.2MRB	7.2	*	*	*	HP
2000	Cummins	YCEXL0359ABA	5.9	*	*	*	HP
2000	Cummins	YCEXL0505AAA	8.3	*	*	*	HP
2000	Deere	YJDXL06.8012	4.5	6.8	*	*	HP
2000	Deere	YJDXL06.8013	6.8	*	*	*	HP
2000	Deere	YJDXL06.8014	4.5	6.8	*	*	HP
2000	Deere	YJDXL06.8015	4.5	6.8	*	*	HP
2000	Deere	YJDXL08.1007	8.1	*	*	*	HP

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2000	Deere	YJDXL08.1009	8.1	*	*	*	HP
2000	Deutz	YDZXL07.1004	4.8	7.2	*	*	HP
2000	Deutz	YDZXL07.1005	4.8	7.2	*	*	HP
2000	International	YNVXL0466ANA	7.6	*	*	*	HP
2000	International	YNVXL0530AND	8.7	*	*	*	HP
2000	Isuzu	YSZXL06.5EXA	6.5	*	*	*	HP
2000	Isuzu	YSZXL07.8EXA	7.8	*	*	*	HP
2000	Isuzu	YSZXL09.8ATB	9.8	*	*	*	HP
2000	Iveco	YVEXL07.7DAR	7.7	*	*	*	HP
2000	Komatsu	YKLXL0359ABA	5.9	*	*	*	HP
2000	Komatsu	YKLXL11.0DA1	11.0	*	*	*	HP
2000	Liebherr Machines Bulle SA	YLHAL9.96ARA	6.6	10.0	*	*	HP
2000	Liebherr Machines Bulle SA	YLHAL9.96ASA	6.6	10.0	*	*	HP
2000	Mitsubishi Motors	YMTXL05.8D3A	5.8	*	*	*	HP
2001	Case	1X9XL0359ABA	5.9	*	*	*	HP
2001	Caterpillar	1CPXL07.0MRB	7.0	*	*	*	HP
2001	Caterpillar	1CPXL07.2HSK	7.2	*	*	*	HP
2001	Cummins	1CEXL0239ACA	3.9	*	*	*	*
2001	Cummins	1CEXL0359ABA	5.9	*	*	*	HP
2001	Cummins	1CEXL0359ABC	5.9	*	*	*	HP
2001	Cummins	1CEXL0359ABD	5.9	*	*	*	HP
2001	Deere	1JDXL06.8012	4.5	6.8	*	*	HP
2001	Deere	1JDXL06.8013	6.8	*	*	*	HP
2001	Deere	1JDXL06.8039	6.8	*	*	*	*
2001	Deere	1JDXL08.1009	8.1	*	*	*	HP
2001	Deutz	1DZXL07.1004	4.8	7.2	*	*	HP
2001	Deutz	1DZXL07.1005	4.8	7.2	*	*	HP
2001	International	1NVXL0466ANA	7.7	*	*	*	HP
2001	International	1NVXL0530AND	8.7	*	*	*	HP
2001	Isuzu	1SZXL06.5EXA	6.5	*	*	*	HP
2001	Isuzu	1SZXL07.8EXA	7.8	*	*	*	HP
2001	Iveco	1VEXL07.7DAR	7.7	*	*	*	HP
2001	Komatsu	1KLXL0359ABA	5.9	*	*	*	HP
2001	Komatsu	1KLXL0359ABC	5.9	*	*	*	HP
2001	Komatsu	1KLXL11.0DA1	11.0	*	*	*	HP
2001	Liebherr Machines Bulle SA	1LHAL9.96ARA	6.6	10.0	*	*	HP
2001	Liebherr Machines Bulle SA	1LHAL9.96ASA	6.6	10.0	*	*	HP
2001	Mitsubishi Motors	1MTXL05.8D3A	5.9	*	*	*	HP
2001	Perkins	1PKXL05.9YK1	5.9	*	*	*	HP
2002	Case	2X9XL0359ABA	5.9	*	*	*	HP
2002	Case	2X9XL0359ABB	5.9	*	*	*	HP
2002	Case	2X9XL0359ABE	5.9	*	*	*	HP
2002	Caterpillar	2CPXL07.0MRB	7.0	*	*	*	HP
2002	Caterpillar	2CPXL07.2HSX	7.2	*	*	*	HP

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2002	Caterpillar	2CPXL10.3ESX	10.3	*	*	*	HP
2002	Cummins	2CEXL0239ACA	3.9	*	*	*	*
2002	Cummins	2CEXL0359ABA	5.9	*	*	*	HP
2002	Cummins	2CEXL0359ABC	5.9	*	*	*	HP
2002	Deere	2JDXL06.8012	4.5	6.8	*	*	HP
2002	Deere	2JDXL06.8013	4.5	6.8	*	*	HP
2002	Deere	2JDXL06.8038	6.8	*	*	*	HP
2002	Deere	2JDXL06.8039	6.8	*	*	*	*
2002	Deere	2JDXL06.8049	6.8	*	*	*	HP
2002	Deere	2JDXL08.1009	8.1	*	*	*	HP
2002	Deutz	2DZXL06.1028	4.0	6.1	*	*	HP
2002	Deutz	2DZXL07.1004	4.8	7.1	*	*	HP
2002	Deutz	2DZXL07.1005	4.8	7.1	*	*	HP
2002	Deutz	2DZXL07.1032	4.8	7.1	*	*	HP
2002	International	2NVXL0444ANA	7.3	*	*	*	HP
2002	International	2NVXL0466ANA	7.6	*	*	*	HP
2002	International	2NVXL0530AND	8.7	*	*	*	HP
2002	Isuzu	2SZXL06.5EXA	6.5	*	*	*	HP
2002	Isuzu	2SZXL07.8EXA	7.8	*	*	*	HP
2002	Iveco	2VEXL05.9DCR	5.9	*	*	*	HP
2002	Iveco	2VEXL07.7DAR	7.7	*	*	*	HP
2002	Komatsu	2KLXL0239ACA	3.9	*	*	*	*
2002	Komatsu	2KLXL0359ABA	5.9	*	*	*	HP
2002	Komatsu	2KLXL0359ABC	5.9	*	*	*	HP
2002	Komatsu	2KLXL11.0DA1	11.0	*	*	*	HP
2002	Liebherr Machines Bulle SA	2LHAL9.96ARA	6.6	10.0	*	*	HP
2002	Liebherr Machines Bulle SA	2LHAL9.96ASA	6.6	10.0	*	*	HP
2002	Mitsubishi Motors	2MTXL05.8D3A	5.8	*	*	*	HP
2002	Perkins	2PKXL05.9YK1	6.0	*	*	*	HP
2003	Caterpillar	3CPXL06.6MTW	6.6	*	*	*	*
2003	Caterpillar	3CPXL07.2HSK	7.2	*	*	*	HP
2003	Caterpillar	3CPXL07.2HSL	7.2	*	*	*	HP
2003	Caterpillar	3CPXL08.8HSL	8.8	*	*	*	HP
2003	Caterpillar	3CPXL10.3ESK	10.3	*	*	*	HP
2003	CNH UK Limited	3NHXL06.7DCR	3.9	4.5	5.9	6.7	HP
2003	CNH UK Limited	3NHXL06.7DTA	3.9	6.7	*	*	*
2003	CNH UK Limited	3NHXL07.5B2H	7.5	*	*	*	*
2003	Cummins	3CEXL0239AAD	3.9	*	*	*	*
2003	Cummins	3CEXL0239AAF	3.9	*	*	*	*
2003	Cummins	3CEXL0275AAA	4.5	*	*	*	*
2003	Cummins	3CEXL0275AAB	4.5	*	*	*	*
2003	Cummins	3CEXL0359AAB	5.9	*	*	*	*
2003	Cummins	3CEXL0359AAC	5.9	*	*	*	HP
2003	Cummins	3CEXL0359AAD	5.9	*	*	*	*

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2003	Cummins	3CEXL0359ABC	5.9	*	*	*	HP
2003	Cummins	3CEXL0409AAA	6.7	*	*	*	HP
2003	Daewoo	3DWXL05.8COA	5.8	*	*	*	*
2003	DaimlerChrysler	3MBXL4.25RJB	4.3	*	*	*	*
2003	Deere	3JDXL06.8039	6.8	*	*	*	*
2003	Deere	3JDXL06.8041	4.5	6.8	*	*	*
2003	Deere	3JDXL06.8044	4.5	6.8	*	*	*
2003	Deere	3JDXL06.8048	6.8	*	*	*	*
2003	Deere	3JDXL06.8049	6.8	*	*	*	HP
2003	Deutz	3DZXL05.7019	3.8	5.7	*	*	HP
2003	Deutz	3DZXL05.7033	3.8	5.7	*	*	*
2003	Deutz	3DZXL06.1028	4.0	6.1	*	*	HP
2003	Deutz	3DZXL07.1034	7.2	*	*	*	HP
2003	International	3NVXL0365AFA	6.0	*	*	*	*
2003	Isuzu	3SZXL04.3FTA	4.3	*	*	*	*
2003	Isuzu	3SZXL06.5EXA	6.5	*	*	*	HP
2003	Isuzu	3SZXL06.5FTA	6.5	*	*	*	*
2003	Isuzu	3SZXL06.5FXA	6.5	*	*	*	*
2003	Isuzu	3SZXL07.8EXA	7.8	*	*	*	HP
2003	Iveco	3VEXL06.7DCR	3.9	4.5	5.9	6.7	HP
2003	Komatsu	3KLXL0239AAD	3.9	*	*	*	*
2003	Komatsu	3KLXL0239AAF	3.9	*	*	*	*
2003	Komatsu	3KLXL0359AAB	5.9	*	*	*	*
2003	Komatsu	3KLXL0359ABC	5.9	*	*	*	HP
2003	Liebherr Machines Bulle SA	3LHAL9.96ARA	6.6	10.0	*	*	HP
2003	Liebherr Machines Bulle SA	3LHAL9.96ASA	6.6	10.0	*	*	*
2003	Mitsubishi Fuso	3MFTL03.9D3A	3.9	*	*	*	*
2003	Mitsubishi Fuso	3MFTL05.8D3A	5.9	*	*	*	*
2003	Mitsubishi Fuso	3MFTL07.5D6E	7.5	*	*	*	*
2003	Mitsubishi Fuso	3MFTL07.5D6E	7.5	*	*	*	*
2003	Mitsubishi Heavy Industries	3MVXL05.0DDD	3.3	5.0	*	*	*
2003	Mitsubishi Heavy Industries	3MVXL06.4DDD	6.4	*	*	*	*
2003	Perkins	3PKXL04.4RH2	4.4	*	*	*	*
2003	Perkins	3PKXL04.4RK1	4.4	*	*	*	*
2003	Perkins	3PKXL06.0VK1	6.0	*	*	*	*
2004	Caterpillar	4CPXL07.2HSK	7.2	*	*	*	*
2004	Caterpillar	4CPXL07.2HSL	7.2	*	*	*	HP
2004	Caterpillar	4CPXL08.8HSL	8.8	*	*	*	HP
2004	Caterpillar	4CPXL10.3ESK	10.3	*	*	*	HP
2004	CNH Engine Corporation	4X9XL0239AAB	3.9	*	*	*	HP
2004	CNH Engine Corporation	4X9XL0239AAB	3.9	*	*	*	*
2004	CNH Engine Corporation	4X9XL0239AAC	3.9	*	*	*	*
2004	CNH Engine Corporation	4X9XL0359AAK	5.9	*	*	*	*
2004	CNH Engine Corporation	4X9XL0359ABE	5.9	*	*	*	HP

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2004	CNH UK Limited	4NHXL04.5DTC	3.4	3.9	4.5	*	HP
2004	CNH UK Limited	4NHXL06.7DCR	3.9	4.5	5.9	6.7	*
2004	CNH UK Limited	4NHXL07.5B2H	7.5	*	*	*	HP
2004	Cummins	4CEXL0239AAD	3.9	*	*	*	*
2004	Cummins	4CEXL0239AAF	3.9	*	*	*	*
2004	Cummins	4CEXL0239AAG	3.9	*	*	*	*
2004	Cummins	4CEXL0275AAB	4.5	*	*	*	*
2004	Cummins	4CEXL0275AAC	4.5	*	*	*	*
2004	Cummins	4CEXL0275AAE	4.5	*	*	*	*
2004	Cummins	4CEXL03.3ABA	3.3	*	*	*	*
2004	Cummins	4CEXL03.3ABB	3.3	*	*	*	HP
2004	Cummins	4CEXL0359AAB	5.9	*	*	*	*
2004	Cummins	4CEXL0359AAC	5.9	*	*	*	*
2004	Cummins	4CEXL0359AAD	5.9	*	*	*	HP
2004	Cummins	4CEXL0359AAE	5.9	*	*	*	*
2004	Cummins	4CEXL0359AAF	5.9	*	*	*	*
2004	Cummins	4CEXL0359ABC	5.9	*	*	*	*
2004	Cummins	4CEXL0409AAA	6.7	*	*	*	HP
2004	Daewoo	4DWXL05.8COA	5.8	*	*	*	HP
2004	Daewoo	4DWXL05.8CRN	5.8	*	*	*	*
2004	DaimlerChrysler	4MBXL4.25RJB	4.3	*	*	*	*
2004	Deere	4JDXL03.0064	3.0	*	*	*	*
2004	Deere	4JDXL04.5075	4.5	*	*	*	*
2004	Deere	4JDXL06.8039	4.5	6.8	*	*	*
2004	Deere	4JDXL06.8039	4.5	6.8	*	*	*
2004	Deere	4JDXL06.8041	4.5	6.8	*	*	*
2004	Deere	4JDXL06.8044	4.5	6.8	*	*	*
2004	Deere	4JDXL06.8048	4.5	6.8	*	*	*
2004	Deere	4JDXL06.8049	4.5	6.8	*	*	*
2004	Deutz	4DZXL03.1039	3.1	*	*	*	HP
2004	Deutz	4DZXL03.1040	3.1	*	*	*	HP
2004	Deutz	4DZXL05.7019	3.8	5.7	*	*	HP
2004	Deutz	4DZXL05.7033	3.8	5.7	*	*	HP
2004	Deutz	4DZXL06.1028	4.0	6.0	*	*	*
2004	Deutz	4DZXL06.1038	4.0	6.1	*	*	HP
2004	Deutz	4DZXL06.5036	6.5	*	*	*	*
2004	Deutz	4DZXL06.5037	6.5	*	*	*	HP
2004	Deutz	4DZXL06.5042	6.5	*	*	*	*
2004	Deutz	4DZXL07.1032	4.8	7.2	*	*	HP
2004	Deutz	4DZXL07.1034	7.2	*	*	*	HP
2004	International	4NVXL0365AFA	6.0	*	*	*	HP
2004	Isuzu	4SZXL03.1GTB	3.1	*	*	*	HP
2004	Isuzu	4SZXL04.3FTA	4.3	*	*	*	*
2004	Isuzu	4SZXL04.3FTA	4.3	*	*	*	*

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			1	2	3	4	
2004	Isuzu	4SZXL04.3GTG	4.3	*	*	*	*
2004	Isuzu	4SZXL04.3GXA	4.3	*	*	*	*
2004	Isuzu	4SZXL06.5EXA	6.5	*	*	*	*
2004	Isuzu	4SZXL06.5FTA	6.5	*	*	*	HP
2004	Isuzu	4SZXL06.5FXA	6.5	*	*	*	*
2004	Isuzu	4SZXL06.5FXG	6.5	*	*	*	*
2004	Isuzu	4SZXL07.8EXA	7.8	*	*	*	*
2004	Iveco	4VEXL03.9B1Z	2.9	3.9	*	*	HP
2004	Iveco	4VEXL04.5DTC	3.4	3.9	4.5	*	HP
2004	Iveco	4VEXL06.7DCR	3.9	4.5	5.9	6.7	*
2004	Komatsu	4KLXL0239AAD	3.9	*	*	*	HP
2004	Komatsu	4KLXL0239AAF	3.9	*	*	*	*
2004	Komatsu	4KLXL0239ADA	3.9	*	*	*	*
2004	Komatsu	4KLXL0275AAC	4.5	*	*	*	*
2004	Komatsu	4KLXL03.3JA3	3.3	*	*	*	*
2004	Komatsu	4KLXL03.3JB3	3.3	*	*	*	HP
2004	Komatsu	4KLXL03.3JD3	3.3	*	*	*	HP
2004	Komatsu	4KLXL0359AAB	5.9	*	*	*	*
2004	Komatsu	4KLXL0359AAE	5.9	*	*	*	*
2004	Komatsu	4KLXL0359ABC	5.9	*	*	*	*
2004	Komatsu	4KLXL0505ABD	8.3	*	*	*	HP
2004	Kubota	4KBXL03.3BAD	3.3	*	*	*	HP
2004	Kubota	4KBXL03.3BCD	3.3	*	*	*	*
2004	Liebherr Machines Bulle SA	4LHAL9.96ARA	6.6	10.0	*	*	HP
2004	Liebherr Machines Bulle SA	4LHAL9.96ASA	6.6	10.0	*	*	HP
2004	Liebherr Machines Bulle SA	4LHAL9.96ATA	6.6	10.0	*	*	*
2004	Mahindra & Mahindra	4MMLL03.2NET	3.2	*	*	*	HP
2004	Mahindra & Mahindra	4MMLL03.2NTY	3.2	*	*	*	*
2004	Mitsubishi Fuso	4MFTL03.9D3A	3.9	*	*	*	*
2004	Mitsubishi Fuso	4MFTL05.8D3A	5.9	*	*	*	*
2004	Mitsubishi Fuso	4MFTL07.5D6E	7.5	*	*	*	*
2004	Mitsubishi Heavy Industries	4MVXL05.0AAA	3.3	5.0	*	*	*
2004	Mitsubishi Heavy Industries	4MVXL05.0AAD	3.3	5.0	*	*	HP
2004	Mitsubishi Heavy Industries	4MVXL05.0DDD	3.3	5.0	*	*	HP
2004	Mitsubishi Heavy Industries	4MVXL06.4DDD	6.4	*	*	*	*
2004	Motorenfabrik Hatz	4HZXL3.43C42	2.6	3.4	*	*	*
2004	Motorenfabrik Hatz	4HZXL3.43V42	2.6	3.4	*	*	HP
2004	Nissan	4NDXL03.0FTA	3.0	*	*	*	HP
2004	Perkins	4PKXL04.4RE1	3.3	4.4	*	*	*
2004	Perkins	4PKXL04.4RF1	4.4	*	*	*	HP
2004	Perkins	4PKXL04.4RH2	4.4	*	*	*	*
2004	Perkins	4PKXL04.4RH2	4.4	*	*	*	*
2004	Perkins	4PKXL04.4RK1	4.4	*	*	*	*
2004	Perkins	4PKXL06.0VK1	6.0	*	*	*	*

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			1	2	3	4	
2004	VM Motori	4V5XL04.2S5V	4.2	*	*	*	*
2004	Yanmar	4YDXL3.32J4T	3.3	*	*	*	*
2004	Yanmar	4YDXL3.32K4N	3.3	*	*	*	*
2004	Yanmar	4YDXL3.32K4T	3.3	*	*	*	HP
2004	Yanmar	4YDXL4.41K4T	4.4	*	*	*	*
2005	Caterpillar	5CPXL07.2ESL	7.2	*	*	*	*
2005	Caterpillar	5CPXL07.2HSK	7.2	*	*	*	HP
2005	Caterpillar	5CPXL07.2HSL	7.2	*	*	*	*
2005	Caterpillar	5CPXL08.8HSL	8.8	*	*	*	HP
2005	Caterpillar	5CPXL10.3ESK	10.3	*	*	*	HP
2005	CNH Engine Corporation	5X9XL0239AAB	3.9	*	*	*	HP
2005	CNH Engine Corporation	5X9XL0239AAC	3.9	*	*	*	*
2005	CNH Engine Corporation	5X9XL0359AAK	5.9	*	*	*	*
2005	CNH Engine Corporation	5X9XL0359ABE	5.9	*	*	*	HP
2005	CNH UK Limited	5NHXL06.7DCR	3.9	4.5	5.9	6.7	HP
2005	CNH UK Limited	5NHXL06.7DTC	3.4	3.9	4.5	6.7	HP
2005	CNH UK Limited	5NHXL07.5B2H	7.5	*	*	*	*
2005	Cummins	5CEXL0239AAD	3.9	*	*	*	*
2005	Cummins	5CEXL0239AAF	3.9	*	*	*	*
2005	Cummins	5CEXL0239AAG	3.9	*	*	*	*
2005	Cummins	5CEXL0275AAB	4.5	*	*	*	*
2005	Cummins	5CEXL0275AAC	4.5	*	*	*	*
2005	Cummins	5CEXL0275AAE	4.5	*	*	*	*
2005	Cummins	5CEXL03.3ABA	3.3	*	*	*	*
2005	Cummins	5CEXL03.3ABB	3.3	*	*	*	HP
2005	Cummins	5CEXL0359AAB	5.9	*	*	*	*
2005	Cummins	5CEXL0359AAC	5.9	*	*	*	*
2005	Cummins	5CEXL0359AAD	5.9	*	*	*	HP
2005	Cummins	5CEXL0359AAE	5.9	*	*	*	*
2005	Cummins	5CEXL0359AAF	5.9	*	*	*	*
2005	Cummins	5CEXL0359ABC	5.9	*	*	*	*
2005	Cummins	5CEXL0409AAA	6.7	*	*	*	HP
2005	Cummins	5CEXL0409AAC	6.7	*	*	*	HP
2005	Daewoo	5DWXL05.8COA	5.8	*	*	*	*
2005	Daewoo	5DWXL05.8CRN	5.8	*	*	*	*
2005	DaimlerChrysler	5MBXL4.25RJB	4.3	*	*	*	*
2005	Deere	5JDXL03.0064	3.0	*	*	*	*
2005	Deere	5JDXL04.5075	4.5	*	*	*	*
2005	Deere	5JDXL04.5076	4.5	*	*	*	*
2005	Deere	5JDXL04.5081	4.5	*	*	*	*
2005	Deere	5JDXL04.5083	4.5	*	*	*	*
2005	Deere	5JDXL06.8039	4.5	6.8	*	*	*
2005	Deere	5JDXL06.8041	4.5	6.8	*	*	*
2005	Deere	5JDXL06.8044	6.8	*	*	*	*



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			1	2	3	4	
2005	Deere	5JDXL06.8048	6.8	*	*	*	*
2005	Deere	5JDXL06.8049	4.5	6.8	*	*	*
2005	Deere	5JDXL06.8053	6.8	*	*	*	HP
2005	Deere	5JDXL06.8078	4.5	6.8	*	*	HP
2005	Deere	5JDXL06.8084	4.5	6.8	*	*	*
2005	Deutz	5DZXL03.1039	3.1	*	*	*	*
2005	Deutz	5DZXL03.1040	3.1	*	*	*	HP
2005	Deutz	5DZXL05.7019	3.8	5.7	*	*	HP
2005	Deutz	5DZXL05.7033	3.8	5.7	*	*	HP
2005	Deutz	5DZXL06.1028	4.0	6.0	*	*	*
2005	Deutz	5DZXL06.1038	4.0	6.1	*	*	HP
2005	Deutz	5DZXL06.5037	6.5	*	*	*	*
2005	Deutz	5DZXL06.5042	6.5	*	*	*	*
2005	Deutz	5DZXL07.1032	4.8	7.2	*	*	HP
2005	Deutz	5DZXL07.1034	7.2	*	*	*	HP
2005	International	5NVXL0365AFA	6.0	*	*	*	HP
2005	Isuzu	5SZXL03.1GTB	3.1	*	*	*	HP
2005	Isuzu	5SZXL04.3FTA	4.3	*	*	*	*
2005	Isuzu	5SZXL04.3FXA	4.3	*	*	*	*
2005	Isuzu	5SZXL04.3GTG	4.3	*	*	*	*
2005	Isuzu	5SZXL04.3GXA	4.3	*	*	*	*
2005	Isuzu	5SZXL06.5EXA	6.5	*	*	*	*
2005	Isuzu	5SZXL06.5FTA	6.5	*	*	*	HP
2005	Isuzu	5SZXL06.5FXA	6.5	*	*	*	*
2005	Isuzu	5SZXL06.5FXG	6.5	*	*	*	*
2005	Isuzu	5SZXL07.8EXA	7.8	*	*	*	*
2005	Iveco	5VEXL02.3F1A	2.3	*	*	*	HP
2005	Iveco	5VEXL03.9B1Z	2.9	3.9	*	*	*
2005	Iveco	5VEXL06.7DCR	3.9	4.5	5.9	6.7	HP
2005	Iveco	5VEXL06.7DGA	6.7	*	*	*	HP
2005	Iveco	5VEXL06.7DTC	3.4	3.9	4.5	6.7	HP
2005	Komatsu	5KLXL0239AAD	3.9	*	*	*	*
2005	Komatsu	5KLXL0239AAF	3.9	*	*	*	*
2005	Komatsu	5KLXL0239ADA	3.9	*	*	*	*
2005	Komatsu	5KLXL0275AAC	4.5	*	*	*	*
2005	Komatsu	5KLXL03.3JA3	3.3	*	*	*	*
2005	Komatsu	5KLXL03.3JB3	3.3	*	*	*	HP
2005	Komatsu	5KLXL03.3JD3	3.3	*	*	*	HP
2005	Komatsu	5KLXL0359AAB	5.9	*	*	*	*
2005	Komatsu	5KLXL0359AAE	5.9	*	*	*	*
2005	Komatsu	5KLXL0359AAL	5.9	*	*	*	*
2005	Komatsu	5KLXL0359ABC	5.9	*	*	*	HP
2005	Komatsu	5KLXL0409AAC	6.7	*	*	*	HP
2005	Komatsu	5KLXL0505ABD	8.3	*	*	*	*

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2005	Kubota	5KBXL03.3BAD	3.3	*	*	*	HP
2005	Kubota	5KBXL03.3BCD	3.3	*	*	*	*
2005	Liebherr Machines Bulle SA	5LHAL9.96ARA	6.6	10.0	*	*	*
2005	Liebherr Machines Bulle SA	5LHAL9.96ASA	6.6	10.0	*	*	HP
2005	Liebherr Machines Bulle SA	5LHAL9.96ATA	6.6	10.0	*	*	*
2005	Mahindra & Mahindra	5MMLL03.2NET	3.2	*	*	*	HP
2005	Mahindra & Mahindra	5MMLL03.2NTY	3.2	*	*	*	*
2005	Mitsubishi Fuso	5MFTL03.9D3A	3.9	*	*	*	*
2005	Mitsubishi Fuso	5MFTL05.8D3A	5.9	*	*	*	*
2005	Mitsubishi Fuso	5MFTL07.5D6E	7.5	*	*	*	*
2005	Mitsubishi Heavy Industries	5MVXL05.0AAA	3.3	5.0	*	*	*
2005	Mitsubishi Heavy Industries	5MVXL05.0AAD	3.3	5.0	*	*	HP
2005	Mitsubishi Heavy Industries	5MVXL05.0DDD	3.3	5.0	*	*	HP
2005	Mitsubishi Heavy Industries	5MVXL06.4DDD	6.4	*	*	*	*
2005	Motorenfabrik Hatz	5HZXL3.43C42	2.6	3.4	*	*	*
2005	Motorenfabrik Hatz	5HZXL3.43V42	2.6	3.4	*	*	HP
2005	Nissan	5NDXL03.0FTA	3.0	*	*	*	HP
2005	Perkins	5PKXL04.4RE1	3.3	4.4	*	*	*
2005	Perkins	5PKXL04.4RF1	4.4	*	*	*	HP
2005	Perkins	5PKXL04.4RH2	4.4	*	*	*	*
2005	Perkins	5PKXL04.4RK1	4.4	*	*	*	*
2005	Perkins	5PKXL06.0VK1	6.0	*	*	*	*
2005	Perkins	5PKXL06.6PJ1	6.6	*	*	*	*
2005	Perkins	5PKXL06.6PJ2	6.6	*	*	*	HP
2005	Sisu Diesel	5SIDL06.6I2A	6.6	*	*	*	*
2005	Sisu Diesel	5SIDL07.4G4A	7.4	*	*	*	*
2005	Sisu Diesel	5SIDL07.4G4B	7.4	*	*	*	HP
2005	Yanmar	5YDXL3.32J4T	3.3	*	*	*	*
2005	Yanmar	5YDXL3.32K4N	3.3	*	*	*	*
2005	Yanmar	5YDXL3.32K4T	3.3	*	*	*	HP
2005	Yanmar	5YDXL4.41K4T	4.4	*	*	*	*
2006	Caterpillar	6CPXL07.2ESL	7.2	*	*	*	*
2006	Caterpillar	6CPXL07.2HSK	7.2	*	*	*	HP
2006	CNH Engine Corporation	6X9XL0239AAB	3.9	*	*	*	*
2006	CNH Engine Corporation	6X9XL0239AAC	3.9	*	*	*	*
2006	CNH Engine Corporation	6X9XL0359ABE	5.9	*	*	*	*
2006	CNH UK Limited	6NHXL06.7DCR	3.9	4.5	5.9	6.7	*
2006	CNH UK Limited	6NHXL06.7DTC	3.4	3.9	4.5	6.7	HP
2006	CNH UK Limited	6NHXL07.5B2H	7.5	*	*	*	*
2006	Cummins	6CEXL0239AAD	3.9	*	*	*	*
2006	Cummins	6CEXL0239AAF	3.9	*	*	*	*
2006	Cummins	6CEXL0239AAG	3.9	*	*	*	*
2006	Cummins	6CEXL0275AAB	4.5	*	*	*	*
2006	Cummins	6CEXL0275AAC	4.5	*	*	*	*

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2006	Cummins	6CEXL0275AAC	4.5	*	*	*	*
2006	Cummins	6CEXL0275AAG	4.5	*	*	*	*
2006	Cummins	6CEXL0275AAH	4.5	*	*	*	*
2006	Cummins	6CEXL03.3ABC	3.3	*	*	*	*
2006	Cummins	6CEXL0359AAB	5.9	*	*	*	*
2006	Cummins	6CEXL0359AAC	5.9	*	*	*	*
2006	Cummins	6CEXL0359AAD	5.9	*	*	*	*
2006	Cummins	6CEXL0359AAF	5.9	*	*	*	*
2006	Cummins	6CEXL0359AAN	5.9	*	*	*	*
2006	Cummins	6CEXL0359ABC	5.9	*	*	*	*
2006	Cummins	6CEXL0409AAC	6.7	*	*	*	*
2006	DaimlerChrysler	6MBXL4.25RJB	4.3	*	*	*	*
2006	DaimlerChrysler	6MBXL7.20RJA	4.3	6.4	7.2	*	*
2006	Deere	6JDXL03.0064	3.0	*	*	*	HP
2006	Deere	6JDXL04.5075	4.5	*	*	*	*
2006	Deere	6JDXL04.5076	4.5	*	*	*	*
2006	Deere	6JDXL04.5081	4.5	*	*	*	*
2006	Deere	6JDXL04.5083	4.5	*	*	*	*
2006	Deere	6JDXL06.8039	4.5	6.8	*	*	*
2006	Deere	6JDXL06.8041	4.5	6.8	*	*	*
2006	Deere	6JDXL06.8044	6.8	*	*	*	*
2006	Deere	6JDXL06.8048	6.8	*	*	*	*
2006	Deere	6JDXL06.8049	4.5	6.8	*	*	*
2006	Deere	6JDXL06.8078	4.5	6.8	*	*	HP
2006	Deere	6JDXL06.8084	4.5	6.8	*	*	*
2006	Deere	6JDXL06.8105	4.5	6.8	*	*	*
2006	Deere	6JDXL06.8106	4.5	6.8	*	*	*
2006	Deutz	6DZXL03.1039	3.1	*	*	*	*
2006	Deutz	6DZXL03.1040	3.1	*	*	*	HP
2006	Deutz	6DZXL03.1066	3.1	*	*	*	HP
2006	Deutz	6DZXL05.7019	3.8	5.7	*	*	*
2006	Deutz	6DZXL05.7033	3.8	5.7	*	*	HP
2006	Deutz	6DZXL06.1028	4.0	6.1	*	*	*
2006	Deutz	6DZXL06.1038	4.0	6.1	*	*	*
2006	Deutz	6DZXL06.5035	6.5	*	*	*	*
2006	Deutz	6DZXL06.5036	6.5	*	*	*	*
2006	Deutz	6DZXL06.5037	6.5	*	*	*	*
2006	Deutz	6DZXL06.5042	6.5	*	*	*	*
2006	Deutz	6DZXL07.1034	7.2	*	*	*	HP
2006	Doosan Infracore	6DWXL05.8COA	5.8	*	*	*	HP
2006	Doosan Infracore	6DWXL05.8CRN	5.8	*	*	*	*
2006	Doosan Infracore	6DWXL05.8UTA	5.8	*	*	*	*
2006	Doosan Infracore	6DWXL08.1BDA	8.1	*	*	*	HP
2006	Isuzu	6SZXL03.1GTB	3.1	*	*	*	*

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2006	Isuzu	6SZXL04.3FTA	4.3	*	*	*	*
2006	Isuzu	6SZXL04.3FXA	4.3	*	*	*	*
2006	Isuzu	6SZXL04.3GTG	4.3	*	*	*	*
2006	Isuzu	6SZXL04.3GXA	4.3	*	*	*	*
2006	Isuzu	6SZXL06.5FTA	6.5	*	*	*	*
2006	Isuzu	6SZXL06.5FXA	6.5	*	*	*	*
2006	Isuzu	6SZXL06.5FXG	6.5	*	*	*	*
2006	Iveco	6VEXK02.3F1A	2.3	*	*	*	*
2006	Iveco	6VEXL03.9B1Z	2.9	3.9	*	*	*
2006	Iveco	6VEXL04.5DGN	4.5	*	*	*	HP
2006	Iveco	6VEXL04.5DGT	4.5	*	*	*	*
2006	Iveco	6VEXL06.7DCR	3.9	4.5	5.9	6.7	*
2006	Iveco	6VEXL06.7DGA	6.7	*	*	*	HP
2006	Iveco	6VEXL06.7DTC	3.4	3.9	4.5	6.7	*
2006	JCB Power Systems	6JCBL04.4TA1	4.4	*	*	*	*
2006	Komatsu	6KLXL0239AAD	3.9	*	*	*	*
2006	Komatsu	6KLXL0239AAF	3.9	*	*	*	*
2006	Komatsu	6KLXL0239ADA	3.9	*	*	*	*
2006	Komatsu	6KLXL0275AAC	4.5	*	*	*	*
2006	Komatsu	6KLXL0275AAG	4.5	*	*	*	*
2006	Komatsu	6KLXL0275AAH	4.5	*	*	*	*
2006	Komatsu	6KLXL03.3JD3	3.3	*	*	*	*
2006	Komatsu	6KLXL0359AAB	5.9	*	*	*	*
2006	Komatsu	6KLXL0359AAE	5.9	*	*	*	*
2006	Komatsu	6KLXL0359AAL	5.9	*	*	*	*
2006	Komatsu	6KLXL0359ABC	5.9	*	*	*	*
2006	Komatsu	6KLXL0409AAC	6.7	*	*	*	*
2006	Komatsu	6KLXL0505ABD	8.3	*	*	*	*
2006	Kubota	6KBXL03.3BAD	3.3	*	*	*	*
2006	Kubota	6KBXL03.3BCD	3.3	*	*	*	*
2006	Kubota	6KBXL03.3CCD	3.1	3.3	*	*	HP
2006	Liebherr Machines Bulle SA	6LHAK9.96ASA	6.6	10.0	*	*	HP
2006	Liebherr Machines Bulle SA	6LHAL10.5LPA	10.5	*	*	*	*
2006	Liebherr Machines Bulle SA	6LHAL9.54SPA	9.5	*	*	*	HP
2006	Liebherr Machines Bulle SA	6LHAL9.96ARA	6.6	10.0	*	*	HP
2006	Liebherr Machines Bulle SA	6LHAL9.96ATA	6.6	10.0	*	*	*
2006	Mahindra & Mahindra	6MMLL03.2NET	3.2	*	*	*	*
2006	Mahindra & Mahindra	6MMLL03.2NTY	3.2	*	*	*	*
2006	Mitsubishi Fuso	6MFTL03.9D3A	3.9	*	*	*	*
2006	Mitsubishi Fuso	6MFTL05.8D3A	5.9	*	*	*	*
2006	Mitsubishi Fuso	6MFTL07.5D6E	7.5	*	*	*	*
2006	Mitsubishi Heavy Industries	6MVXL05.0AAA	3.3	5.0	*	*	*
2006	Mitsubishi Heavy Industries	6MVXL05.0AAD	3.3	5.0	*	*	HP
2006	Mitsubishi Heavy Industries	6MVXL05.0DDD	3.3	5.0	*	*	HP

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			1	2	3	4	
2006	Mitsubishi Heavy Industries	6MVXL06.4DDD	6.4	*	*	*	*
2006	Mitsubishi Heavy Industries	6MVXL06.4EEE	6.4	*	*	*	*
2006	Motorenfabrik Hatz	6HZXL3.43C42	2.6	3.4	*	*	*
2006	Motorenfabrik Hatz	6HZXL3.43V42	2.6	3.4	*	*	HP
2006	Nissan	6NDXL03.0FTA	3.0	*	*	*	HP
2006	Perkins	6PKXL04.4NH1	4.4	*	*	*	*
2006	Perkins	6PKXL04.4NJ1	4.4	*	*	*	*
2006	Perkins	6PKXL04.4RE1	3.3	4.4	*	*	*
2006	Perkins	6PKXL04.4RF1	4.4	*	*	*	HP
2006	Perkins	6PKXL04.4RH2	4.4	*	*	*	*
2006	Perkins	6PKXL04.4RK1	4.4	*	*	*	*
2006	Perkins	6PKXL06.0VK1	6.0	*	*	*	*
2006	Perkins	6PKXL06.6PJ1	6.6	*	*	*	*
2006	Perkins	6PKXL06.6PJ2	6.6	*	*	*	HP
2006	Sisu Diesel	6SIDL06.6I2A	6.6	*	*	*	HP
2006	Sisu Diesel	6SIDL07.4G4B	7.4	*	*	*	*
2006	Sisu Diesel	6SIDL07.4G5B	7.4	*	*	*	*
2006	VM Motori	6V5XL04.2G5V	4.2	*	*	*	HP
2006	Yanmar	6YDXL3.32J4T	3.3	*	*	*	*
2006	Yanmar	6YDXL3.32K4N	3.3	*	*	*	*
2006	Yanmar	6YDXL3.32K4T	3.3	*	*	*	HP
2006	Yanmar	6YDXL4.41K4T	4.4	*	*	*	*
2007	Caterpillar	7CPXL07.2ESL	7.2	*	*	*	*
2007	CNH Engine Corporation	7X9XL0239AAB	3.9	*	*	*	HP
2007	CNH UK Limited	7NHXL06.7DTA	4.5	6.7	*	*	*
2007	CNH UK Limited	7NHXL06.7DTC	3.4	3.9	4.5	6.7	*
2007	Cummins	7CEXL0239AAG	3.9	*	*	*	*
2007	Cummins	7CEXL0275AAB	4.5	*	*	*	*
2007	Cummins	7CEXL0275AAC	4.5	*	*	*	*
2007	Cummins	7CEXL0275AAG	4.5	*	*	*	*
2007	Cummins	7CEXL0275AAH	4.5	*	*	*	*
2007	Cummins	7CEXL0275AAK	4.5	*	*	*	*
2007	Cummins	7CEXL03.3ACA	3.3	*	*	*	HP
2007	Cummins	7CEXL03.3ACB	3.3	*	*	*	*
2007	Cummins	7CEXL03.3ACD	3.3	*	*	*	*
2007	Cummins	7CEXL03.3ACE	3.3	*	*	*	HP
2007	Cummins	7CEXL0409AAB	6.7	*	*	*	HP
2007	Cummins	7CEXL0409AAC	6.7	*	*	*	HP
2007	Deere	7JDXL03.0064	3.0	*	*	*	*
2007	Deere	7JDXL04.5075	4.5	*	*	*	*
2007	Deere	7JDXL04.5076	4.5	*	*	*	*
2007	Deere	7JDXL04.5081	4.5	*	*	*	*
2007	Deere	7JDXL04.5083	4.5	*	*	*	*
2007	Deere	7JDXL04.5107	4.5	*	*	*	*

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			1	2	3	4	
2007	Deere	7JDXL06.8039	4.5	6.8	*	*	*
2007	Deere	7JDXL06.8041	4.5	6.8	*	*	*
2007	Deere	7JDXL06.8044	6.8	*	*	*	*
2007	Deere	7JDXL06.8048	6.8	*	*	*	*
2007	Deere	7JDXL06.8078	4.5	6.8	*	*	*
2007	Deere	7JDXL06.8084	4.5	*	*	*	*
2007	Deere	7JDXL06.8105	4.5	6.8	*	*	*
2007	Deere	7JDXL06.8106	4.5	6.8	*	*	*
2007	Deutz	7DZXL03.1039	2.3	3.1	*	*	*
2007	Deutz	7DZXL03.1040	3.1	*	*	*	HP
2007	Deutz	7DZXL03.1066	3.1	*	*	*	HP
2007	Deutz	7DZXL06.1038	4.0	6.1	*	*	*
2007	Deutz	7DZXL06.1063	5.7	*	*	*	*
2007	Deutz	7DZXL06.5042	3.2	4.3	5.4	6.5	*
2007	Deutz	7DZXL06.5043	3.2	4.3	5.4	6.5	HP
2007	Deutz	7DZXL07.1034	7.2	*	*	*	HP
2007	Doosan Infracore	7DWXL05.8CRN	5.8	*	*	*	HP
2007	Doosan Infracore	7DWXL05.8UTA	5.9	*	*	*	*
2007	Isuzu	7SZXL03.1GTB	3.1	*	*	*	HP
2007	Isuzu	7SZXL04.3GTG	4.3	*	*	*	*
2007	Isuzu	7SZXL04.3GXA	4.3	*	*	*	*
2007	Iveco	7VEXL03.9B1Z	2.9	3.9	*	*	*
2007	Iveco	7VEXL04.5DGN	4.5	*	*	*	HP
2007	Iveco	7VEXL04.5DGT	4.5	*	*	*	*
2007	Iveco	7VEXL06.7DGB	4.5	6.7	*	*	*
2007	Iveco	7VEXL06.7DTA	4.5	6.7	*	*	HP
2007	Iveco	7VEXL06.7DTC	3.4	3.9	4.5	6.7	*
2007	Komatsu	7KLXL0239ADA	3.9	*	*	*	*
2007	Komatsu	7KLXL0275AAC	4.5	*	*	*	*
2007	Komatsu	7KLXL0275AAG	4.5	*	*	*	*
2007	Komatsu	7KLXL0275AAH	4.5	*	*	*	*
2007	Komatsu	7KLXL03.3JA6	3.3	*	*	*	*
2007	Komatsu	7KLXL03.3JB6	3.3	*	*	*	HP
2007	Komatsu	7KLXL03.3JD3	3.3	*	*	*	HP
2007	Komatsu	7KLXL03.3JD6	3.3	*	*	*	*
2007	Komatsu	7KLXL03.3JD7	3.3	*	*	*	*
2007	Komatsu	7KLXL0359AAE	5.9	*	*	*	*
2007	Komatsu	7KLXL0409AAC	6.7	*	*	*	*
2007	Kubota	7KBXL03.3BAD	3.3	*	*	*	*
2007	Kubota	7KBXL03.3BCD	3.3	*	*	*	*
2007	Kubota	7KBXL03.3CCD	3.1	3.3	*	*	HP
2007	Liebherr Machines Bulle SA	7LHAL9.54SPA	9.5	*	*	*	HP
2007	Mahindra & Mahindra	7MMLL03.2NET	3.2	*	*	*	HP
2007	Mitsubishi Heavy Industries	7MVXL05.0AAA	3.3	5.0	*	*	*

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			1	2	3	4	
2007	Mitsubishi Heavy Industries	7MVXL05.0AAD	3.3	5.0	*	*	HP
2007	Mitsubishi Heavy Industries	7MVXL06.4FFF	6.4	*	*	*	HP
2007	Motorenfabrik Hatz	7HZXL3.43C42	2.6	3.4	*	*	*
2007	Motorenfabrik Hatz	7HZXL3.43V42	2.6	3.4	*	*	HP
2007	Nissan	7NDXL03.0FTA	3.0	*	*	*	HP
2007	Perkins	7PKXL03.3DD1	3.3	*	*	*	*
2007	Perkins	7PKXL04.4NH1	4.4	*	*	*	HP
2007	Perkins	7PKXL04.4NJ1	4.4	*	*	*	*
2007	Perkins	7PKXL04.4NJ2	4.4	*	*	*	*
2007	Perkins	7PKXL04.4RE1	3.3	4.4	*	*	*
2007	Perkins	7PKXL04.4RF1	4.4	*	*	*	HP
2007	Perkins	7PKXL06.6PJ1	6.6	*	*	*	*
2007	Perkins	7PKXL06.6PJ2	6.6	*	*	*	HP
2007	Yanmar	7YDXL3.32J4T	3.3	*	*	*	*
2007	Yanmar	7YDXL3.32K4N	3.3	*	*	*	*
2007	Yanmar	7YDXL3.32K4T	3.3	*	*	*	HP
2007	Yanmar	7YDXL4.41K4T	4.4	*	*	*	*
2008	Caterpillar	8CPXL07.2ESL	7.2	*	*	*	*
2008	CNH UK Limited	8NHXL04.5DCB	4.5	*	*	*	HP
2008	Cummins	8CEXL0275AAG	4.5	*	*	*	*
2008	Cummins	8CEXL0275AAH	4.5	*	*	*	*
2008	Cummins	8CEXL0275AAK	4.5	*	*	*	*
2008	Cummins	8CEXL03.3ACA	3.3	*	*	*	HP
2008	Cummins	8CEXL03.3ACB	3.3	*	*	*	*
2008	Cummins	8CEXL03.3ACD	3.3	*	*	*	*
2008	Cummins	8CEXL03.3ACE	3.3	*	*	*	HP
2008	Cummins	8CEXL0409AAB	6.7	*	*	*	HP
2008	Cummins	8CEXL0409AAC	6.7	*	*	*	HP
2008	Deere	8JDXL03.0064	3.0	*	*	*	*
2008	Deere	8JDXL03.0113	2.4	3.0	*	*	*
2008	Deere	8JDXL03.0203	2.4	3.0	*	*	*
2008	Deere	8JDXL03.0208	2.4	3.0	*	*	HP
2008	Deere	8JDXL04.5075	4.5	*	*	*	HP
2008	Deere	8JDXL04.5083	4.5	*	*	*	*
2008	Deere	8JDXL04.5107	4.5	*	*	*	*
2008	Deere	8JDXL06.8039	4.5	*	*	*	*
2008	Deere	8JDXL06.8041	4.5	6.8	*	*	*
2008	Deere	8JDXL06.8078	4.5	6.8	*	*	*
2008	Deere	8JDXL06.8105	4.5	6.8	*	*	*
2008	Deere	8JDXL06.8106	4.5	6.8	*	*	*
2008	Deutz	8DZXL06.1063	5.7	6.1	*	*	*
2008	Doosan Infracore	8DWXL05.8UTA	5.9	*	*	*	*
2008	Iveco	8VEXL04.5DCB	4.5	*	*	*	HP
2008	Iveco	8VEXL06.7DGB	4.5	6.7	*	*	*

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2008	Komatsu	8KLXL0275AAG	4.5	*	*	*	HP
2008	Komatsu	8KLXL0275AAH	4.5	*	*	*	*
2008	Komatsu	8KLXL03.3JA6	3.3	*	*	*	*
2008	Komatsu	8KLXL03.3JB6	3.3	*	*	*	HP
2008	Komatsu	8KLXL03.3JD6	3.3	*	*	*	HP
2008	Komatsu	8KLXL03.3JD7	3.3	*	*	*	*
2008	Komatsu	8KLXL03.3JD9	3.3	*	*	*	*
2008	Komatsu	8KLXL0409AAC	6.7	*	*	*	HP
2008	Kubota	8KBXL03.6BCD	3.6	*	*	*	*
2008	Kubota	8KBXL03.6DAD	3.6	*	*	*	HP
2008	Liebherr Machines Bulle SA	8LHAL10.5LPA	10.5	*	*	*	HP
2008	Liebherr Machines Bulle SA	8LHAL9.54SPA	9.5	*	*	*	HP
2008	Mitsubishi Heavy Industries	8MVXL04.2BBB	4.2	*	*	*	HP
2008	Mitsubishi Heavy Industries	8MVXL04.2CCC	4.2	*	*	*	*
2008	Mitsubishi Heavy Industries	8MVXL05.0AAD	3.3	5.0	*	*	*
2008	Mitsubishi Heavy Industries	8MVXL05.0AAG	5.0	*	*	*	HP
2008	Mitsubishi Heavy Industries	8MVXL06.4FFF	4.2	6.4	*	*	*
2008	Nissan	8NDXL04.2TNA	4.2	*	*	*	*
2008	Perkins	8PKXL04.4NH1	4.4	*	*	*	*
2008	Perkins	8PKXL04.4NJ1	4.4	*	*	*	*
2008	Perkins	8PKXL04.4NJ2	4.4	*	*	*	*
2008	Perkins	8PKXL04.4NM1	4.4	*	*	*	*
2008	Perkins	8PKXL04.4RG3	4.4	*	*	*	*
2008	Perkins	8PKXL06.6PJ1	6.6	*	*	*	*
2008	Perkins	8PKXL06.6PJ2	6.6	*	*	*	HP
2009	Caterpillar	9CPXL07.2ESL	7.2	*	*	*	*
2009	CNH UK Limited	9NHXL04.5DCB	4.5	*	*	*	HP
2009	Cummins	9CEXL0275AAG	4.5	*	*	*	*
2009	Cummins	9CEXL0275AAH	4.5	*	*	*	*
2009	Cummins	9CEXL0275AAK	4.5	*	*	*	*
2009	Cummins	9CEXL03.3ACA	3.3	*	*	*	HP
2009	Cummins	9CEXL03.3ACB	3.3	*	*	*	*
2009	Cummins	9CEXL03.3ACD	3.3	*	*	*	*
2009	Cummins	9CEXL03.3ACE	3.3	*	*	*	HP
2009	Cummins	9CEXL0409AAB	6.7	*	*	*	HP
2009	Cummins	9CEXL0409AAC	6.7	*	*	*	HP
2009	DaimlerChrysler	9MBXL07.2RJA	4.3	6.4	7.2	*	*
2009	Deere	9JDXL03.0064	3.0	*	*	*	HP
2009	Deere	9JDXL03.0113	2.4	3.0	*	*	*
2009	Deere	9JDXL03.0203	3.0	*	*	*	*
2009	Deere	9JDXL03.0208	2.4	3.0	*	*	HP
2009	Deere	9JDXL04.5083	4.5	*	*	*	HP
2009	Deere	9JDXL04.5107	4.5	*	*	*	*
2009	Deere	9JDXL06.8078	4.5	*	*	*	*



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2009	Deere	9JDXL06.8105	4.5	6.8	*	*	*
2009	Deere	9JDXL06.8106	4.5	6.8	*	*	*
2009	Deere	9JDXL06.8117	4.5	6.8	*	*	*
2009	Deutz	9DZXL06.1063	5.7	*	*	*	*
2009	Doosan Infracore	9DICL05.8UTA	5.9	*	*	*	*
2009	Iveco	9VEXL04.5DCB	4.5	*	*	*	HP
2009	Iveco	9VEXL06.7DGB	4.5	6.7	*	*	*
2009	Komatsu	9KLXL0275AAG	4.5	*	*	*	HP
2009	Komatsu	9KLXL0275AAH	4.5	*	*	*	*
2009	Komatsu	9KLXL03.3JA6	3.3	*	*	*	*
2009	Komatsu	9KLXL03.3JB6	3.3	*	*	*	HP
2009	Komatsu	9KLXL03.3JD6	3.3	*	*	*	HP
2009	Komatsu	9KLXL03.3JD7	3.3	*	*	*	*
2009	Komatsu	9KLXL03.3JD9	3.3	*	*	*	*
2009	Komatsu	9KLXL0409AAC	6.7	*	*	*	HP
2009	Kubota	9KBXL03.6BCD	3.6	*	*	*	*
2009	Liebherr Machines Bulle SA	9LHAL10.5LPA	10.5	*	*	*	HP
2009	Liebherr Machines Bulle SA	9LHAL9.54SPA	9.5	*	*	*	HP
2009	Mitsubishi Heavy Industries	9MVXL03.3AAH	3.3	*	*	*	HP
2009	Mitsubishi Heavy Industries	9MVXL04.2BBB	4.2	*	*	*	*
2009	Mitsubishi Heavy Industries	9MVXL04.2CCC	4.2	*	*	*	*
2009	Mitsubishi Heavy Industries	9MVXL05.0AAD	3.3	5.0	*	*	*
2009	Mitsubishi Heavy Industries	9MVXL06.4FFF	4.2	6.4	*	*	HP
2009	Nissan	9NDXL04.2TNA	4.2	*	*	*	*
2009	Perkins	9PKXL04.4NJ1	4.4	*	*	*	*
2009	Perkins	9PKXL04.4NJ2	4.4	*	*	*	*
2009	Perkins	9PKXL04.4NM1	4.4	*	*	*	*
2009	Perkins	9PKXL04.4NM2	4.4	*	*	*	*
2009	Perkins	9PKXL04.4RG3	4.4	*	*	*	*
2009	Perkins	9PKXL04.4RJ3	4.4	*	*	*	*
2009	Perkins	9PKXL06.6PJ1	6.6	*	*	*	*
2009	Perkins	9PKXL06.6PJ2	6.6	*	*	*	HP
2010	AGCO SISU Power Inc.	ASIDL07.4G4E	4.4	4.9	6.6	7.4	*
2010	AGCO SISU Power Inc.	ASIDL07.4G5C	4.4	4.9	6.6	7.4	*
2010	CNH UK Limited	ANHXL06.7DCB	6.7	*	*	*	*
2010	Cummins	ACEXL0275AAG	4.5	*	*	*	HP
2010	Cummins	ACEXL0275AAH	4.5	*	*	*	*
2010	Cummins	ACEXL0275AAK	4.5	*	*	*	*
2010	Cummins	ACEXL03.3ACA	3.3	*	*	*	HP
2010	Cummins	ACEXL03.3ACB	3.3	*	*	*	*
2010	Cummins	ACEXL03.3ACD	3.3	*	*	*	*
2010	Cummins	ACEXL03.3ACE	3.3	*	*	*	HP
2010	Cummins	ACEXL0409AAB	6.7	*	*	*	HP
2010	Cummins	ACEXL0409AAC	6.7	*	*	*	HP

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2010	DaimlerChrysler	AMBXL07.2RJA	4.3	4.8	6.4	7.2	*
2010	Deere	AJDXL03.0064	3.0	*	*	*	HP
2010	Deere	AJDXL03.0113	2.4	3.0	*	*	*
2010	Deere	AJDXL03.0203	3.0	*	*	*	*
2010	Deere	AJDXL04.5083	4.5	*	*	*	HP
2010	Deere	AJDXL04.5107	4.5	*	*	*	*
2010	Deere	AJDXL06.8078	4.5	*	*	*	*
2010	Deere	AJDXL06.8105	4.5	6.8	*	*	*
2010	Deere	AJDXL06.8106	4.5	*	*	*	*
2010	Deere	AJDXL06.8117	4.5	6.8	*	*	*
2010	Doosan Infracore	ADICL05.8UTA	5.9	*	*	*	*
2010	Hyundai	AHYXL03.9TDI	3.9	*	*	*	*
2010	Iseki Matsuyama	AICLL3.37D4H	3.4	*	*	*	*
2010	Iseki Matsuyama	AICLL3.37D4I	3.4	*	*	*	HP
2010	Iveco SPA	AVEXL06.7DGB	4.5	6.7	*	*	*
2010	Komatsu	AKLXL0275AAG	4.5	*	*	*	HP
2010	Komatsu	AKLXL0275AAH	4.5	*	*	*	*
2010	Komatsu	AKLXL03.3JA6	3.3	*	*	*	*
2010	Komatsu	AKLXL03.3JB6	3.3	*	*	*	HP
2010	Komatsu	AKLXL03.3JD6	3.3	*	*	*	HP
2010	Komatsu	AKLXL03.3JD7	3.3	*	*	*	*
2010	Komatsu	AKLXL03.3JD9	3.3	*	*	*	*
2010	Komatsu	AKLXL0409AAC	6.7	*	*	*	HP
2010	Kubota	AKBXL03.6BCD	3.6	*	*	*	*
2010	Liebherr Machines Bulle SA	ALHAL9.54SPA	10.0	*	*	*	HP
2010	Mitsubishi Heavy Industries	AMVXL03.3AAH	3.3	*	*	*	HP
2010	Mitsubishi Heavy Industries	AMVXL04.2BBB	4.2	*	*	*	*
2010	Mitsubishi Heavy Industries	AMVXL04.2CCC	4.2	*	*	*	*
2010	Mitsubishi Heavy Industries	AMVXL05.0AAD	3.3	5.0	*	*	*
2010	Mitsubishi Heavy Industries	AMVXL05.0AAG	5.0	*	*	*	HP
2010	Mitsubishi Heavy Industries	AMVXL06.4FFF	4.2	6.4	*	*	*
2010	Nissan	ANDXL04.2TNA	4.2	*	*	*	*
2010	Perkins	APKXL04.4NJ1	4.4	*	*	*	*
2010	Perkins	APKXL04.4NJ2	4.4	*	*	*	*
2010	Perkins	APKXL04.4NM1	4.4	*	*	*	*
2010	Perkins	APKXL04.4NM2	4.4	*	*	*	*
2010	Perkins	APKXL04.4RG3	4.4	*	*	*	*
2010	Perkins	APKXL04.4RJ3	4.4	*	*	*	*
2010	Perkins	APKXL06.6PJ1	6.6	*	*	*	*
2010	Perkins	APKXL06.6PJ2	6.6	*	*	*	HP
2011	AGCO SISU Power Inc.	BSIDL07.4G4E	4.4	4.9	6.6	7.4	*
2011	AGCO SISU Power Inc.	BSIDL07.4G5C	4.4	4.9	6.6	7.4	*
2011	Cummins	BCEXL0275AAG	4.5	*	*	*	*
2011	Cummins	BCEXL03.3ACA	3.3	*	*	*	*

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			1	2	3	4	
2011	Cummins	BCEXL03.3ACB	3.3	*	*	*	*
2011	Cummins	BCEXL03.3ACD	3.3	*	*	*	*
2011	Cummins	BCEXL03.3ACE	3.3	*	*	*	HP
2011	Cummins	BCEXL0409AAC	6.7	*	*	*	HP
2011	Deere	BJDXL03.0064	3.0	*	*	*	*
2011	Deere	BJDXL03.0113	2.4	3.0	*	*	*
2011	Deere	BJDXL03.0203	3.0	*	*	*	*
2011	Deere	BJDXL03.0208	2.4	3.0	*	*	HP
2011	Deere	BJDXL04.5107	4.5	*		*	HP
2011	Deere	BJDXL06.8078	4.5	6.8	*	*	*
2011	Deere	BJDXL06.8105	4.5	6.8	*	*	*
2011	Deere	BJDXL06.8106	4.5	*	*	*	*
2011	Deere	BJDXL06.8117	4.5	6.8	*	*	*
2011	Doosan Infracore	BDICL05.8UTA	5.9	*	*	*	*
2011	Hyundai	BHYXL03.9TDI	3.9	*	*	*	*
2011	Iseki Matsuyama	BICLL3.37D4H	3.4	*	*	*	*
2011	Iseki Matsuyama	BICLL3.37D4I	3.4	*	*	*	HP
2011	Komatsu	BKLXL0275AAG	4.5	*	*	*	*
2011	Komatsu	BKLXL0275AAH	4.5	*	*	*	*
2011	Komatsu	BKLXL03.3JA6	3.3	*	*	*	*
2011	Komatsu	BKLXL03.3JB6	3.3	*	*	*	HP
2011	Komatsu	BKLXL03.3JD6	3.3	*	*	*	HP
2011	Komatsu	BKLXL03.3JD7	3.3	*	*	*	*
2011	Komatsu	BKLXL03.3JD9	3.3	*	*	*	*
2011	Komatsu	BKLXL0409AAC	6.7	*	*	*	HP
2011	Kubota	BKBXL03.6BCD	3.6	*	*	*	
2011	Mitsubishi Heavy Industries	BMVXL03.3AAH	3.3	*	*	*	HP
2011	Mitsubishi Heavy Industries	BMVXL04.2BBB	4.2	*	*	*	*
2011	Mitsubishi Heavy Industries	BMVXL04.2CCC	4.2	*	*	*	*
2011	Mitsubishi Heavy Industries	BMVXL05.0AAD	3.3	5.0	*	*	*
2011	Mitsubishi Heavy Industries	BMVXL05.0AAG	5.0	*	*	*	HP
2011	Mitsubishi Heavy Industries	BMVXL06.4FFF	4.2	6.4	*	*	*
2011	Perkins	BPKXL04.4NJ1	4.4	*	*	*	*
2011	Perkins	BPKXL04.4NJ2	4.4	*	*	*	*
2011	Perkins	BPKXL04.4NM1	4.4	*	*	*	*
2011	Perkins	BPKXL04.4NM2	4.4	*	*	*	*
2011	Perkins	BPKXL04.4RG3	4.4	*	*	*	*
2011	Perkins	BPKXL04.4RJ3	4.4	*	*	*	*
2011	Perkins	BPKXL06.6PJ2	6.6	*	*	*	*
2011	Toyota Industrial Equipment	BTALL02.51DZ	2.5	*	*	*	*
2011	UD Trucks Corporation	BNDXL04.2TNA	4.2	*	*	*	HP
2012	Cummins	CCEXL03.3ACD	3.3	*	*	*	*
2012	Cummins	CCEXL03.3ACE	3.3	*	*	*	HP
2012	Deere	CJDXL03.0203	3.0	*	*	*	HP

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			1	2	3	4	
2012	Deere	CJDXL03.0208	2.4	3.0	*	*	HP
2012	Deere	CJDXL04.5212	4.5	*	*	*	HP
2012	Deere	CJDXL06.8117	4.5	6.8	*	*	*
2012	Iseki Matsuyama	CICLL3.37D4H	3.4	*	*	*	*
2012	Komatsu	CKLXL03.3JA6	3.3	*	*	*	HP
2012	Komatsu	CKLXL03.3JB6	3.3	*	*	*	HP
2012	Komatsu	CKLXL03.3JD9	3.3	*	*	*	HP
2012	Kubota	CKBXL03.6BCD	3.6	*	*	*	HP
2012	Mitsubishi Heavy Industries	CMVXL03.3AAH	3.3	*	*	*	HP
2012	Mitsubishi Heavy Industries	CMVXL05.0AAD	3.3	5.0	*	*	*
2013	Caterpillar	DCPXL07.2ESJ	7.2	*	*	*	HP
2013	John Deere Power Systems	DJDXL06.8104	6.8	*	*	*	HP
2013	John Deere Power Systems	DJDXL06.8105	4.5	6.5	*	*	*
2013	John Deere Power Systems	DJDXL06.8106	4.5	*	*	*	*
2013	Perkins	DPKXL06.6PJ3	6.6	*	*	*	*
2014	Perkins	EPKXL04.4NJ3	4.4	*	*	*	HP