

**ATTACHMENT 1
RAS 08-15**

ARB-Approved Engine Families for the DCL MINE-X SOOTFILTER system

Model Year	Engine Family	Displacement	Engine Manufacturer
1997	VVP6.7R6DARA	6.7	AB Volvo Penta
1998	WVPXL06.7ABA	6.7	AB Volvo Penta
1998	WVPXL09.6ABA	9.6	AB Volvo Penta
1999	XVPXL06.7ABA	6.7	AB Volvo Penta
1999	XVPXL09.6ABA	9.6	AB Volvo Penta
2000	YVPXL06.7ABA	6.7	AB Volvo Penta
2000	YVPXL09.6ABA	9.6	AB Volvo Penta
2001	1VPXL09.6ABA	9.6	AB Volvo Penta
2001	1VPXL06.7ABA	6.7	AB Volvo Penta
2002	2VPXL06.7ABA	6.7	AB Volvo Penta
2002	2VPXL09.6ABA	9.6	AB Volvo Penta
2004	4VPXL09.6ACC	9.4	AB Volvo Penta
2004	4VPXL09.4ACC	9.4	AB Volvo Penta
1998	WX9XL0359ABA	5.9	Case
1998	WX9XL0505ABC	8.3	Case
1999	XX9XL0359ABA	5.9	Case
1999	XX9XL0505ABC	8.3	Case
2000	YX9XL0359ABA	5.9	Case
2000	YX9XL0505ABC	8.3	Case
2000	YX9XL0359ABB	5.9	Case
2001	1X9XL0359ABA	5.9	Case
2002	2X9XL0359ABA	5.9	Case
2002	2X9XL0505ABD	8.3	Case
2002	2X9XL0359ABB	5.9	Case
2002	2X9XL0359ABB	5.9	Case
2002	2X9XL0359ABE	5.9	Case
2002	2X9XL0505ABC	8.3	Case
2002	2X9XL0505ABC	8.3	Case
1996	TCP10.RZDBRF	10.5	Caterpillar
1996	TCP10.RZDBRK	10.3	Caterpillar
1996	TCP10.RZDBRD	10.5	Caterpillar
1996	TCP7.2RZDBRK	7.2	Caterpillar
1997	VCP7.2RZDARK	7.2	Caterpillar
1998	WCPXL07.2HRK	7.2	Caterpillar
1999	XCPXL10.5MRD	10.5	Caterpillar
1999	XCPXL10.5MRF	10.5	Caterpillar
1999	XCPXL07.2HRK	7.2	Caterpillar
2000	YCPXL10.5MRG	10.5	Caterpillar
2000	YCPXL07.2HRK	7.2	Caterpillar
2001	1CPXL07.2HRK	7.2	Caterpillar
2001	1CPXL10.5MRD	10.5	Caterpillar
2001	1CPXL10.3ESK	10.3	Caterpillar
2001	1CPXL12.0ESK	12	Caterpillar
2001	1CPXL07.2HSK	7.2	Caterpillar
2001	1CPXL08.8HSK	8.8	Caterpillar

2002	2CPXL08.8HSX	8.8	Caterpillar
2002	2CPXL10.3ESX	10.3	Caterpillar
2002	2CPXL10.5MRD	10.5	Caterpillar
2002	2CPXL12.0ESK	12	Caterpillar
2002	2CPXL08.8HSK	8.8	Caterpillar
2002	2CPXL10.3ESK	10.3	Caterpillar
2002	2CPXL07.2HRK	7.2	Caterpillar
2002	2CPXL07.2HSX	7.2	Caterpillar
2003	3CPXL07.2HSL	7.2	Caterpillar
2003	3CPXL10.3ESK	10.3	Caterpillar
2003	3CPXL12.0ESK	12	Caterpillar
2003	3CPXL10.5MRW	10.5	Caterpillar
2004	4CPXL10.5MRW	10.5	Caterpillar
2004	4CPXL10.3ESK	10.3	Caterpillar
2004	4CPXL07.2HSL	7.2	Caterpillar
2004	4CPXL08.8HSL	8.8	Caterpillar
2004	4CPXL12.0ESK	12	Caterpillar
2005	5CPXL07.2ESL	7.2	Caterpillar
2005	5CPXL07.2HSL	7.2	Caterpillar
2005	5CPXL08.8HSL	8.8	Caterpillar
2005	5CPXL10.3ESK	10.3	Caterpillar
2005	5CPXL12.0ESK	12	Caterpillar
2005	5CPXL10.5MRW	10.5	Caterpillar
2005	5CPXL08.8ESL	8.8	Caterpillar
2003	3X9XL0505ABD	8.3	CNH
2003	3X9XL0359AAC	5.9	CNH
2003	3X9XL0505ABC	8.3	CNH
2003	3X9XL0505ABC	8.3	CNH
2003	3X9XL0505ABC	8.3	CNH
2003	3NHXL07.5B3A	7.5	CNH
2003	3NHXL07.5B3C	7.5	CNH
2003	3NHXL07.5B3F	7.5	CNH
2003	3NHXL06.7DCR	6.7	CNH
2004	4X9XL0505ABD	8.3	CNH
2004	4X9XL0505ABD	8.3	CNH
2004	4X9XL0359ABE	5.9	CNH
2004	4X9XL0505ABC	8.3	CNH
2004	4X9XL0505ABC	8.3	CNH
2004	4X9XL0359AAK	5.9	CNH
2004	4NHXL07.5B3F	7.5	CNH
2004	4NHXL06.7DCR	6.7	CNH
2004	4NHXL07.5B3A	7.5	CNH
2004	4NHXL07.5B3C	7.5	CNH
2005	5X9XL0359AAK	5.9	CNH
2005	5X9XL0359ABE	5.9	CNH
2005	5X9XL0505ABC	8.3	CNH
2005	5X9XL0505ABD	8.3	CNH
2005	5X9XL0505ABD	8.3	CNH
2005	5X9XL0505ACC	8.3	CNH
2005	5NHXL07.5B3F	7.5	CNH
2005	5NHXL06.7DCR	6.7	CNH
2005	5NHXL07.5B3A	7.5	CNH

2005	5NHXL07.5B3C	7.5	CNH
2007	7NHXL06.7DCA	6.7	CNH
1996	TCE661RGDTRA	10.8	Cummins
1996	TCE505R6DTRD	8.3	Cummins
1997	VCE661RGDTRA	10.8	Cummins
1997	VCE359R6DTRB	5.9	Cummins
1997	VCE505R6DTRD	8.3	Cummins
1998	WCEXL0661AAA	10.8	Cummins
1998	WCEXL0359ABA	5.9	Cummins
1998	WCEXL0359ABB	5.9	Cummins
1998	WCEXL0505ABC	8.3	Cummins
1999	XCEXL0359ABA	5.9	Cummins
1999	XCEXL0661AAA	10.8	Cummins
1999	XCEXL0359ABB	5.9	Cummins
1999	XCEXL0505ABC	8.3	Cummins
1999	XCEXL0661AAB	10.8	Cummins
2000	YCEXL0359ABA	5.9	Cummins
2000	YCEXL0661AAA	11	Cummins
2000	YCEXL0505ABC	8.3	Cummins
2000	YCEXL0359ABB	5.9	Cummins
2000	YCEXL0661AAB	11	Cummins
2001	1CEXL0505ABC	8.3	Cummins
2001	1CEXL0505ABC	8.3	Cummins
2001	1CEXL0359ABC	5.9	Cummins
2001	1CEXL0359ABB	5.9	Cummins
2001	1CEXL0359ABB	5.9	Cummins
2001	1CEXL0359ABA	5.9	Cummins
2001	1CEXL0661AAB	10.8	Cummins
2001	1CEXL0661AAB	10.8	Cummins
2001	1CEXL0661AAA	10.8	Cummins
2001	1CEXL0661AAA	10.8	Cummins
2002	2CEXL0661AAB	10.8	Cummins
2002	2CEXL0661AAA	10.8	Cummins
2002	2CEXL0359ABA	5.9	Cummins
2002	2CEXL0359ABC	5.9	Cummins
2002	2CEXL0505ABD	8.3	Cummins
2002	2CEXL0359ABB	5.9	Cummins
2002	2CEXL0359ABE	5.9	Cummins
2002	2CEXL0505ABC	8.3	Cummins
2003	3CEXL0359ABC	5.9	Cummins
2003	3CEXL0505ABD	8.3	Cummins
2003	3CEXL0540AAA	8.8	Cummins
2003	3CEXL0359AAC	5.9	Cummins
2003	3CEXL0359AAC	5.9	Cummins
2003	3CEXL0359AAC	5.9	Cummins
2003	3CEXL0359AAC	5.9	Cummins
2003	3CEXL0505ABC	8.3	Cummins
2003	3CEXL0505ACC	8.3	Cummins
2003	3CEXL0505ACC	8.3	Cummins
2003	3CEXL0661AAE	10.8	Cummins
2003	3CEXL0359ABE	5.9	Cummins
2003	3CEXL0359ABE	5.9	Cummins

2003	3CEXL0409AAA	6.7	Cummins
2004	4CEXL0661AAE	10.8	Cummins
2004	4CEXL0661AAE	10.8	Cummins
2004	4CEXL0359AAC	5.9	Cummins
2004	4CEXL0359AAC	5.9	Cummins
2004	4CEXL0359ABC	5.9	Cummins
2004	4CEXL0409AAA	6.7	Cummins
2004	4CEXL0505ABD	8.3	Cummins
2004	4CEXL0359ABE	5.9	Cummins
2004	4CEXL0359ABE	5.9	Cummins
2004	4CEXL0359ABE	5.9	Cummins
2004	4CEXL0505ABC	8.3	Cummins
2004	4CEXL0505ABC	8.3	Cummins
2004	4CEXL0505ACC	8.3	Cummins
2004	4CEXL0540AAA	8.8	Cummins
2005	5CEXL0359AAC	5.9	Cummins
2005	5CEXL0359ABC	5.9	Cummins
2005	5CEXL0359ABC	5.9	Cummins
2005	5CEXL0359ABE	5.9	Cummins
2005	5CEXL0409AAA	6.7	Cummins
2005	5CEXL0505ABC	8.3	Cummins
2005	5CEXL0505ABD	8.3	Cummins
2005	5CEXL0540AAA	8.8	Cummins
2005	5CEXL0661AAE	10.8	Cummins
2005	5CEXL0661AAE	10.8	Cummins
2005	5CEXL0409AAB	6.7	Cummins
2005	5CEXL0359AAG	5.9	Cummins
1998	WDWXL14.6CVT	14.6	Daewoo
1999	WDWXL11.1BIA	11.1	Daewoo
1999	WDWXL11.1BHT	11.1	Daewoo
1999	XDWXL11.1BHT	11.1	Daewoo
1999	WDWXL11.1BIA	11.1	Daewoo
1997	VMB13.R6DARA	12.8	Daimlerchrysler
1998	WMBXL6.37DJA	6.4	Daimler-Benz
1999	XMBXL6.37RJA	6.37	Daimlerchrysler
1999	XMBXL12.9R6A	13	Daimlerchrysler
2000	YMBXL12.9R6A	10	Daimlerchrysler
2000	YMBXL6.37RJA	6.37	Daimlerchrysler
2001	1MBXL12.9R6A	10	Daimlerchrysler
2001	1MBXL6.37RJA	6.37	Daimlerchrysler
2001	1MBXL6.37RJB	6.37	Daimlerchrysler
2001	1MBXL12.0RJC	12	Daimlerchrysler
2003	3MBXL6.37RJB	6.37	Daimlerchrysler
2004	4MBXL6.3RJB	6.37	Daimlerchrysler
2005	5MBXL6.37RJB	6.37	Daimlerchrysler
2006	6MBXL7.20RJA	7.2	Daimlerchrysler
1996	TJD8.1R6DBRB	8.1	Deere
1996	TJD10.RJDBRB	10.5	Deere
1997	VJD10.RJDBRB	10.5	Deere
1998	WJDXL10.5004	10.5	Deere
1998	WJDXL12.5002	12.5	Deere
1999	XJDXL10.5004	10.5	Deere

1999	XJDXL12.5002	12.5	Deere
1999	XJDXL10.5003	10.5	Deere
1999	XJDXL10.5022	10.5	Deere
2000	YJDXL12.5002	12.5	Deere Power
2000	YJDXL10.5004	10.5	Deere Power
2000	YJDXL08.1008	8.1	Deere Power
2000	YJDXL10.5022	10.5	Deere Power
2001	1JDXL08.1007	8.1	Deere
2001	1JDXL08.1008	8.1	Deere
2001	1JDXL12.5002	12.5	Deere
2001	1JDXL08.1036	8.1	Deere
2001	1JDXL12.5029	12.5	Deere
2001	1JDXL06.8038	6.8	Deere
2002	2JDXL12.5029	12.5	Deere
2002	2JDXL08.1036	8.1	Deere
2002	2JDXL08.1008	8.1	Deere
2002	2JDXL06.8038	6.8	Deere
2002	2JDXL06.8049	6.8	Deere
2003	3JDXL06.8038	6.8	Deere
2003	3JDXL06.8049	6.8	Deere
2003	3JDXL06.8052	6.8	Deere
2003	3JDXL08.1037	8.1	Deere
2003	3JDXL12.5035	12.5	Deere
2004	4JDXL06.8038	6.8	Deere
2004	4JDXL06.8049	6.8	Deere
2004	4JDXL06.8052	6.8	Deere
2004	4JDXL06.8072	6.8	Deere
2004	4JDXL08.1037	8.1	Deere
2004	4JDXL12.5035	12.5	Deere
2005	5JDXL08.1037	8.1	Deere
2005	5JDXL06.8080	6.8	Deere
2005	5JDXL06.8080	6.8	Deere
2005	5JDXL06.8038	6.8	Deere
2005	5JDXL06.8049	6.8	Deere
2005	5JDXL06.8052	6.8	Deere
2005	5JDXL06.8072	6.8	Deere
2005	5JDXL12.5035	12.5	Deere
2007	7JDXL06.8080	6.8	Deere
2007	7JDXL06.8049	6.8	Deere
2008	8JDXL06.8080	6.8	Deere
2008	8JDXL06.8049	6.8	Deere
1996	TDD8.5TJDARE	8.5	Detroit Diesel
1996	TDD11.TJDARE	11.1	Detroit Diesel
1997	VDD11.TJDARE	11.1	Detroit Diesel
1997	VDD8.5TJDARE	8.5	Detroit Diesel
1998	WDDXL08.5TJD	8.5	Detroit Diesel
1998	WDDXL11.1THD	11.1	Detroit Diesel
1999	XDDXL08.5TJD	8.5	Detroit Diesel
1999	XDDXL11.1THD	11.1	Detroit Diesel
2000	YDDXL08.5TJD	8.5	Detroit Diesel
2000	YDDXL11.1THD	11.1	Detroit Diesel
2001	1DDXL08.5TJD	8.5	Detroit Diesel

2001	1DDXL08.5YJD	8.5	Detroit Diesel
2002	2DDXL08.5YJD	8.5	Detroit Diesel
2003	3DDXL08.5YJD	8.5	Detroit Diesel
2004	4DDXL08.5YJD	8.5	Detroit Diesel
2005	5DDXL08.5YJD	8.5	Detroit Diesel
1998	WDZXL15.9002	15.87	Deutz
1998	WDZXL07.1004	7.1	Deutz
1999	XDZXL07.1004	7.15	Deutz
1999	XDZXL07.1005	7.15	Deutz
1999	XDZXL15.9003	15.87	Deutz
2001	1DZXL15.9003	15.87	Deutz
2001	1DZXL07.1004	7.15	Deutz
2001	1DZXL07.1005	7.15	Deutz
2002	2DZXL07.1032	7.1	Deutz
2002	2DZXL15.9003	15.9	Deutz
2002	2DZXL07.1004	7.1	Deutz
2002	2DZXL07.1005	7.1	Deutz
2002	2DZXL06.1028	6.1	Deutz
2003	3DZXL07.1034	7.2	Deutz
2003	3DZXL07.1032	7.15	Deutz
2003	3DZXL05.7019	5.7	Deutz
2003	3DZXL06.1028	6.1	Deutz
2004	4DZXL07.1034	7.2	Deutz
2004	4DZXL07.1032	7.2	Deutz
2004	4DZXL05.7019	5.7	Deutz
2004	4DZXL06.1028	6	Deutz
2005	5DZXL07.1034	7.2	Deutz AG
2005	5DZXL07.1032	7.2	Deutz AG
2005	5DZXL05.7019	5.7	Deutz AG
2005	5DZXL06.1028	6	Deutz AG
2005	5DZXL06.5036	6.472	Deutz AG
2006	6DZXL07.1034	7.2	Deutz
2007	7DWXL05.8UTA	5.8	Doosan Infracore
2007	7DWXL07.6UPA	7.6	Doosan Infracore
2001	1NVXL0466ANA	7.66	International
2001	1NVXL0530ANB	8.7	International
2001	1NVXL0530ANE	8.7	International
2002	2NVXL0466ANA	7.6	International
2002	2NVXL0530ANA	8.7	International
2002	2NVXL0530ANB	8.7	International
2002	2NVXL0444ANA	7.3	International
2003	3NVXL0530ANE	8.7	International
2003	3NVXL0365AFA	5.98	International
2004	4NVXL0530ANE	8.7	International
2004	4NVXL0365AFA	5.98	International
2005	5NVXL0365AFA	5.98	International
2000	YSZXL07.8EXA	7.8	Isuzu
2001	1SZXL06.5EXA	6.5	Isuzu
2001	1SZXL07.8EXA	7.8	Isuzu
2001	1SZXL07.8ATA	7.8	Isuzu
2002	2SZXL06.5EXA	6.5	Isuzu
2002	2SZXL07.8ATA	7.8	Isuzu

2002	2SZXL07.8EXA	7.8	Isuzu
2003	3SZXL07.8EXA	7.8	Isuzu
2003	3SZXL07.8ETA	7.8	Isuzu
2003	3SZXL09.8EXA	9.8	Isuzu
2003	3SZXL15.7ETA	15.7	Isuzu
2003	3SZXL06.5EXA	6.5	Isuzu
2004	4SZXL06.5EXA	6.5	Isuzu
2004	4SZXL06.8ETA	7.8	Isuzu
2004	4SZXL07.8EXA	7.8	Isuzu
2004	4SZXL09.8EXA	9.8	Isuzu
2004	4SZXL15.7ETA	15.7	Isuzu
2004	4SZXL15.7EXA	15.7	Isuzu
2005	5SZXL06.5EXA	6.5	Isuzu
2005	5SZXL07.8ETA	7.8	Isuzu
2005	5SZXL07.8EXA	7.8	Isuzu
2005	5SZXL09.8EXA	9.8	Isuzu
2005	5SZXL15.7ETA	15.7	Isuzu
2005	5SZXL15.7EXA	15.7	Isuzu
1996	TVE9.5R6DARA	9.5	Iveco
1997	VVE9.5R6DARA	9.5	Iveco
1998	WVEXL09.5DAR	9.5	Iveco
1999	XEVXL09.5DAR	9.5	Iveco
2000	YVEXL09.5DAR	9.5	Iveco
2001	1VEXL09.5DAR	9.5	Iveco
2002	2VEXL05.9DCR	5.9	Iveco
2002	2VEXL07.7DAR	7.7	Iveco
2003	3VEXL06.7DCR	6.7	Iveco
2003	3VEXL07.8CRS	7.8	Iveco
2004	4VEXL06.7DCR	6.7	Iveco
2005	5VEXL06.7DCR	6.7	Iveco
2005	5VEXL07.8CRS	7.8	Iveco
2005	5VEXL10.3CRS	10.3	Iveco
2007	7VEXL06.7DCA	6.7	Iveco
2007	7VEXL06.7DGS	6.7	Iveco
1996	TKL15.RZDARA	15.2	Komatsu
1998	WKDXL0359ABA	5.9	Komatsu
1998	WKLXL15.2EB1	15.2	Komatsu
1999	XKDXL0359ABA	5.9	Komatsu
1999	XKLXL11.0DC1	11	Komatsu
1999	XKLXL15.2EB1	15.2	Komatsu
2000	YKLXL15.2EB1	15.2	Komatsu
2000	YKLXL0359ABA	5.9	Komatsu
2001	1KLXL15.2EB1	15.2	Komatsu
2001	1KLXL7.15CD1	7.15	Komatsu
2001	1KLXL7.15CD1	7.15	Komatsu
2001	1KLXL0239ABA	3.9	Komatsu
2001	1KLXL0359ABC	5.9	Komatsu
2001	1KLXL0359ABA	5.9	Komatsu
2001	1KLXL11.0DD4	11	Komatsu
2002	2KLXL7.15CD1	7.2	Komatsu
2002	2KLXL11.0DD4	11	Komatsu
2002	2KLXL15.2EB1	15.2	Komatsu

2002	2KLXL0359ABA	5.9	Komatsu
2002	2KLXL0359ABC	5.9	Komatsu
2002	2KLXL0505ACA	8.3	Komatsu
2002	2KLXL0505ABD	8.3	Komatsu
2002	2KLXL11.0DC3	11	Komatsu
2002	2KLXL11.0DD6	11	Komatsu
2003	3KLXL0359ABC	5.9	Komatsu
2003	3KLXL0505ABD	8.3	Komatsu
2003	3KLXL11.0DC3	11	Komatsu
2004	4KLXL0359ABC	5.9	Komatsu
2004	4KLXL0505ABD	8.3	Komatsu
2004	4KLXL11.0DD5	11	Komatsu
2004	4KLXL0505ABC	8.3	Komatsu
2005	5KLXL0359ABC	5.9	Komatsu
2005	5KLXL0505ABC	8.3	Komatsu
2005	5KLXL0505ABD	8.3	Komatsu
2005	5KLXL11.0DC3	11	Komatsu
2005	5KLXL11.0DD3	11	Komatsu
2005	5KLXL11.0DD5	11	Komatsu
2005	5KLXL0359AAL	5.9	Komatsu
2005	5KLXL0409AAB	6.7	Komatsu
2005	5KLXL0409AAB	6.7	Komatsu
1996	TLH9.9R6DARA	9.9	Liebherr
1996	TLH9.9R6DASA	9.9	Liebherr
1997	VLH9.9R6DARA	9.9	Liebherr
1997	VLH9.9R6DARA	9.9	Liebherr
1998	WLHAL9.96ASA	9.9	Liebherr
1998	WLHAL9.96ARA	9.9	Liebherr
1999	XLHAL9.96ARA	9.96	Liebherr
1999	XLHAL9.96ASA	9.96	Liebherr
2000	YLHAL9.96ARA	9.96	Liebherr
2000	YLHAL9.96ASA	9.96	Liebherr
2001	1LHAL9.96ASA	10	Liebherr
2001	1LHAL9.96ARA	10	Liebherr
2001	1LHAL9.96ATA	9.96	Liebherr
2002	2LHAL9.96ARA	10	Liebherr
2002	2LHAL9.96ASA	10	Liebherr
2002	2LHAL9.96ATA	10	Liebherr
2003	3LHAL9.96ATA	10	Liebherr
2003	3LHAL9.96ARA	10	Liebherr
2004	4LHAL9.96ARA	9.96	Liebherr
2004	4LHAL9.96ATA	9.96	Liebherr
2005	5LHAL9.96ARA	9.96	Liebherr
2005	5LHAL9.96ATA	9.96	Liebherr
2007	7LHAL9.54SPA	9.54	Liebherr
1996	TMB13.R6DARA	12.8	Mercedes-Benz
1998	WMBXL12.9R6A	13	Mercedes-Benz
2000	YMTXL07.5D6A	7.545	Mitsubishi
2001	1MTXL07.5D6A	7.545	Mitsubishi
2002	2MFTL05.8D3B	5.861	Mitsubishi
2002	2MTXL07.5D6A	7.5	Mitsubishi
2002	2MTXL11.9D2C	11.9	Mitsubishi

2002	2MTXL07.5D6D	7.5	Mitsubishi
2003	3MFTL07.5D6A	7.545	Mitsubishi
2003	3MFTL07.5D6D	7.545	Mitsubishi
2003	3MFTL07.5D6D	7.545	Mitsubishi
2003	3MFTL07.5D6D	7.545	Mitsubishi
2003	3MFTL05.8D3B	5.861	Mitsubishi
2003	3MTXL11.9D2A	11.945	Mitsubishi
2004	4MFTL05.8D3B	5.861	Mitsubishi
2004	4MFTL07.5D6A	7.545	Mitsubishi
2004	4MFTL07.5D6D	7.545	Mitsubishi
2004	4MFTL11.9D2A	11.945	Mitsubishi
2005	5MFTL05.8D3B	5.861	Mitsubishi
2005	5MFTL07.5D6A	7.545	Mitsubishi
2005	5MFTL07.5D6D	7.545	Mitsubishi
2005	5MFTL11.9D2A	11.945	Mitsubishi
1996	TNV530R8DASE	8.7	Navistar
1996	TNV530R6DASC	8.7	Navistar
1996	TNV530R6DARA	8.7	Navistar
1997	VNV530R8DASE	8.7	Navistar
1997	VNV530R6DASC	8.7	Navistar
1997	VNV466R6DASC	7.6	Navistar
1997	VNV530R6DARA	8.7	Navistar
1997	VNV530R8DARA	8.7	Navistar
1997	VNV530R8DASC	0	Navistar
1998	WNVXL0466BNA	7.8	Navistar
1998	WNVXL0530BNA	8.8	Navistar
1998	WNVXL0530BNB	8.7	Navistar
1998	WNVXL0530BNC	8.7	Navistar
1998	WNVXL0530BND	8.7	Navistar
1998	WNVXL0530ANA	8.7	Navistar
1998	WNVXL0530ANB	8.7	Navistar
1999	XNVXL0466ANA	7.6	Navistar
1999	XNVXL0530ANA	8.7	Navistar
1999	XNVXL0530ANB	8.7	Navistar
1999	XNVXL0466BNA	7.6	Navistar
1999	XNVXL0530BNA	8.7	Navistar
1999	XNVXL0530BNC	8.7	Navistar
2000	YNVXL0466ANA	7.6	Navistar
2000	YNVXL0530ANA	8.7	Navistar
2000	YNVXL0530ANB	8.7	Navistar
2002	2NHXL07.5A3A	7.5	New Holland
2002	2NHXL07.5A3F	7.5	New Holland
2007	7PKXL06.6PJ1	6.6	Perkins
2005	5SIDL07.4G4A	7.4	Sisu
2005	5SIDL07.4G5A	7.4	Sisu
2005	5SIDL08.4H4A	8.4	Sisu
2005	5SIDL08.4H5A	8.4	Sisu
2005	5SIDL08.4H5B	8.4	Sisu
2005	5SIDL07.4G5B	7.4	Sisu
2006	6SIDL07.4G5B	7.4	Sisu
2006	6SIDL08.4H5B	8.4	Sisu
1996	TVS12.R6DARA	12	Volvo

1996	TVS9.6R6DARA	9.6	Volvo
1996	TVS6.7R6DARA	6.7	Volvo
1997	VVS6.7R6DARA	6.7	Volvo Car Corporation
1997	VVS9.6R6DARA	9.6	Volvo Car Corporation
1997	VVS12.R6DARA	12	Volvo Car Corporation
1998	WVSXL06.7CE1	6.7	Volvo
1998	WVSXL09.6CE1	9.6	Volvo
1998	WVSXL12.0CE1	12	Volvo
1999	XVSXL12.0CE1	12	Volvo
2000	YVSXL09.6CE1	9.6	Volvo
2000	YVSXL09.6CE1	9.6	Volvo
2001	1VSXL09.6CE1	9.6	Volvo
2001	1VSXL06.7CE1	6.7	Volvo
2001	1VSXL12.0CE1	12	Volvo
2001	1VSXL09.6CE2	9.6	Volvo
2002	2VSXL06.7CE1	6.7	Volvo
2002	2VSXL09.6CE2	9.6	Volvo
2002	2VSXL12.1CE2	12.1	Volvo
2003	3VSXL09.6CE2	9.6	Volvo
2003	3VSXL12.1CE2	12.1	Volvo
2004	4VSXL09.6CE2	9.6	Volvo
2004	4VSXL09.4CE2	9.4	Volvo
2004	4VSXL09.4CE2	9.4	Volvo
2004	4VSXL12.1CE2	12.1	Volvo
2005	5VSXL09.4CE2	9.4	Volvo
2005	5VSXL12.1CE2	12.1	Volvo