

ARB-Approved Engine Families for the ESW CleanTech Longview System

Relating to Executive Order Series DE-08-006

Effective Date: June 13, 2013

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Model Year	Manufacturer	Engine Family	Displacement (L)	
			1	2
1993	Caterpillar	PCT0629FZE2	10.3	*
1993	Cummins	PCE0661FZB3	10.8	*
1993	Cummins	PCE0661FZA2	10.8	*
1993	Cummins	PCE0855FZHX	14.0	*
1993	Cummins	PCE0855FZK4	14.0	*
1993	Detroit Diesel Corporation	PDD08.5FZK7	8.5	*
1993	Mack	PMT0728FAGX	11.9	*
1993	Mack	PMT0728FAH0	11.9	*
1993	Mack	PMT0728FAL6	11.9	*
1994	Caterpillar	RCP629EZDARA	10.3	*
1994	Caterpillar	RCP638EZDARA	10.5	*
1994	Cummins	RCE661EJDARA	10.8	*
1994	Cummins	RCE661EJDARC	10.8	*
1994	Cummins	RCE661EJDARW	10.8	*
1994	Cummins	RCE855EJDARW	14	*
1994	Cummins	RCE855EJDASW	14	*
1994	Detroit Diesel Corporation	RDD8.5EJDARA	8.5	*
1994	Detroit Diesel Corporation	RDD8.5EJDARW	8.5	*
1994	Detroit Diesel Corporation	RDD11.EJDARA	11.1	*
1994	Detroit Diesel Corporation	RDD12.EJDARA	12.7	*
1994	Hino	RHM3.8C7DARW	3.8	*
1994	Hino	RHM6.5D7DARW	6.5	*
1994	International	RNV466D6D0TW	7.6	*
1994	International	RNV466D6DARW	7.6	*
1994	International	RNV466D6DASW	7.6	*
1994	Isuzu	RSZ3.9C6DARW	3.9	*
1994	Mack	RMK728EGDARA	11.9	*
1994	Mack	RMK728EJDARA	11.9	*
1994	Mercedes-Benz	RMB6.0D6DARA	6	*
1994	Volvo	RVT6.7D6DBRA	6.7	*
1994	Volvo	RVT12.EJDBRA	12.1	*
1995	Caterpillar	SCP403DZDARK	6.6	*
1995	Caterpillar	SCP442DZDARK	7.2	*
1995	Caterpillar	SCP629EZDARK	10.3	*
1995	Caterpillar	SCP629EZDARM	10.3	*
1995	Caterpillar	SCP638EZDARA	10.5	*
1995	Caterpillar	SCP729EZDARL	11.9	*
1995	Cummins	SCE661EJDARW	10.8	*
1995	Cummins	SCE661EJDASW	10.8	*
1995	Cummins	SCE661EJDATW	10.8	*
1995	Cummins	SCE661EJDARA	10.8	*
1995	Cummins	SCE661EJDARC	10.8	*
1995	Cummins	SCE855EJDARA	14	*
1995	Cummins	SCE855EJDARB	14	*
1995	Cummins	SCE855EJDARW	14	*
1995	Cummins	SCE855EJDASW	14	*
1995	Cummins	SCE855EJDATW	14	*
1995	Detroit Diesel Corporation	SDD8.5EJDARA	8.5	*

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1995	Detroit Diesel Corporation	SDD8.5EJDARW	8.5	*
1995	Detroit Diesel Corporation	SDD11.EJDARA	11.1	*
1995	Detroit Diesel Corporation	SDD12.EJDARA	12.7	*
1995	Hino	SHM3.8C7DARW	3.8	*
1995	Hino	SHM6.5D7DARW	6.5	*
1995	International	SNV444C8D0RA	7.3	*
1995	International	SNV444C8D0SA	7.3	*
1995	International	SNV466D6DARA	7.6	*
1995	International	SNV466D6DASA	7.6	*
1995	International	SNV466D6DATA	7.6	*
1995	International	SNV466D8DARB	7.6	*
1995	International	SNV466D8DASB	7.6	*
1995	International	SNV466D8DATB	7.6	*
1995	International	SNV530D6DARA	8.7	*
1995	International	SNV530E6DASA	8.7	*
1995	Isuzu	SSZ3.9C6DARW	3.9	*
1995	Mack	SMK728EGDARA	11.9	*
1995	Mack	SMK728EJDARA	11.9	*
1995	Mercedes-Benz	SMB6.0D6DARA	6	*
1995	Volvo	SVT6.7D6DBRA	6.7	*
1995	Volvo	SVT12.EJDBRA	12.1	*
1996	Caterpillar	TCP403DZDARK	6.6	*
1996	Caterpillar	TCP442DZDARK	7.2	*
1996	Caterpillar	TCP629EZDARK	10.3	*
1996	Caterpillar	TCP629EZDARM	10.3	*
1996	Caterpillar	TCP638EZDARA	10.5	*
1996	Caterpillar	TCP729EZDARL	11.9	*
1996	Cummins	TCE661EJDARA	10.8	*
1996	Cummins	TCE661EJDARB	10.8	*
1996	Cummins	TCE661EJDARC	10.8	*
1996	Cummins	TCE661EJDARW	10.8	*
1996	Cummins	TCE661EJDASW	10.8	*
1996	Cummins	TCE661EJDATW	10.8	*
1996	Cummins	TCE855EJDARA	14	*
1996	Cummins	TCE855EJDARB	14	*
1996	Cummins	TCE855EJDARW	14	*
1996	Cummins	TCE855EJDASW	14	*
1996	Cummins	TCE855EJDATW	14	*
1996	Detroit Diesel Corporation	TDD8.5EJDARA	8.5	*
1996	Detroit Diesel Corporation	TDD8.5EJDARW	8.5	*
1996	Detroit Diesel Corporation	TDD11.EJDARA	11.1	*
1996	Detroit Diesel Corporation	TDD12.EJDATW	12	*
1996	Detroit Diesel Corporation	TDD12.EJDARA	12.7	*
1996	Hino	THM3.8C7DARW	3.8	*
1996	Hino	THM6.5D7DARW	6.5	*
1996	International	TNV444C8D0RA	7.3	*
1996	International	TNV444C8D0SA	7.3	*
1996	International	TNV466D6DARB	7.6	*

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1996	International	TNV466D6DATB	7.6	*
1996	International	TNV466D8DARB	7.6	*
1996	International	TNV466D8DATB	7.6	*
1996	International	TNV530D6DARA	8.7	*
1996	International	TNV530D8DARA	8.7	*
1996	International	TNV530E6DASA	8.7	*
1996	International	TNV530E8DASA	8.7	*
1996	Isuzu	TSZ3.9C6DARW	3.9	*
1996	Mack	TMK728EGDARA	11.9	*
1996	Mack	TMK728EJDARA	11.9	*
1996	Volvo	TVT6.7D6DBRA	6.7	*
1996	Volvo	TVT12.EJDBRA	12.1	*
1997	Caterpillar	VCP403DZDARK	6.6	*
1997	Caterpillar	VCP442DZDARK	7.2	*
1997	Caterpillar	VCP629EZDARK	10.3	*
1997	Caterpillar	VCP629EZDARX	10.3	*
1997	Caterpillar	VCP638EZDARA	10.5	*
1997	Caterpillar	VCP729EZDARX	11.9	*
1997	Cummins	VCE359DJDARA	5.9	*
1997	Cummins	VCE661EJDARB	10.8	*
1997	Cummins	VCE661EJDARC	10.8	*
1997	Cummins	VCE661EJDASA	10.8	*
1997	Cummins	VCE661EJDATW	10.8	*
1997	Cummins	VCE855EJDARA	14	*
1997	Cummins	VCE855EJDARB	14	*
1997	Cummins	VCE855EJDARC	14	*
1997	Cummins	VCE855EJDATW	14	*
1997	Detroit Diesel Corporation	VDD8.5EJDARA	8.5	*
1997	Detroit Diesel Corporation	VDD11.EJDARA	11.1	*
1997	Detroit Diesel Corporation	VDD12.EJDATA	12	*
1997	Detroit Diesel Corporation	VDD12.EJDARA	12.7	*
1997	General Motors	VGM6.5C6DARW	6.5	*
1997	Hino	VHM8.0DHDARA	8	5.3
1997	International	VNV444C8DARW	7.3	*
1997	International	VNV444C8DASW	7.3	*
1997	International	VNV466D6DARA	7.6	*
1997	International	VNV466D8DARW	7.6	*
1997	International	VNV466D8DASA	7.6	*
1997	International	VNV530D6DARA	8.7	*
1997	International	VNV530D8DARA	8.7	*
1997	International	VNV530E6DASA	8.7	*
1997	International	VNV530E8DASA	8.7	*
1997	Isuzu	VSZ3.9C6DARA	3.9	*
1997	Mack	VMK728EGDARA	11.9	*
1997	Mack	VMK728EJDARA	11.9	*
1997	Mack	VMK728EJDAYW	11.9	*
1997	Volvo	VVT6.7D6DBRA	6.7	*
1997	Volvo	VVT12.EJDBRA	12.1	*
1998	Caterpillar	WCPXH0442HRK	7.2	*

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1998	Caterpillar	WCPXH0442HSK	7.2	*
1998	Caterpillar	WCPXH0629ERK	10.3	*
1998	Caterpillar	WCPXH0729ERK	11.9	*
1998	Cummins	WCEXH0359BAD	5.9	*
1998	Cummins	WCEXH0359BAE	5.9	*
1998	Cummins	WCEXH0505CAC	8.3	*
1998	Cummins	WCEXH0505CAD	8.3	*
1998	Cummins	WCEXH0505CAE	8.3	*
1998	Cummins	WCEXH0505CAF	8.3	*
1998	Cummins	WCEXH0661MAA	10.8	*
1998	Cummins	WCEXH0661MAB	10.8	*
1998	Cummins	WCEXH0661MAD	10.8	*
1998	Cummins	WCEXH0661MAE	10.8	*
1998	Cummins	WCEXH0855NAA	14	*
1998	Cummins	WCEXH0855NAB	14	*
1998	Cummins	WCEXH0855NAC	14	*
1998	Detroit Diesel Corporation	WDDXH08.5EJD	8.5	*
1998	Detroit Diesel Corporation	WDDXH11.1EHD	11.1	*
1998	Detroit Diesel Corporation	WDDXH12.7EGD	12.7	*
1998	General Motors	WGMXH06.5523	6.5	*
1998	Isuzu	WSZXH07.84RA	7.8	*
1998	Mack	WMKXH11.9E51	11.9	*
1998	Mack	WMKXH11.9E52	11.9	*
1998	Mack	WMKXH11.9E53	11.9	*
1998	Mercedes-Benz	WMBXH4.25DJA	4.2	*
1998	Volvo	WVTXH07.350S	7.3	*
1998	Volvo	WVTXH12.150S	12.1	*
1999	Caterpillar	XCPXH0442HRK	7.2	*
1999	Caterpillar	XCPXH0442HSK	7.2	*
1999	Caterpillar	XCPXH0629ERK	10.3	*
1999	Caterpillar	XCPXH0729ERK	11.9	*
1999	Cummins	XCEXH0359BAJ	5.9	*
1999	Cummins	XCEXH0359BAK	5.9	*
1999	Cummins	XCEXH0505CAC	8.3	*
1999	Cummins	XCEXH0505CAD	8.3	*
1999	Cummins	XCEXH0505CAE	8.3	*
1999	Cummins	XCEXH0661MAH	10.8	*
1999	Cummins	XCEXH0661MAI	10.8	*
1999	Cummins	XCEXH0855NAD	14	*
1999	Cummins	XCEXH0855NAE	14	*
1999	Cummins	XCEXH0855NAF	14	*
1999	Detroit Diesel Corporation	XDDXH08.5EJL	8.5	*
1999	Detroit Diesel Corporation	XDDXH11.1EHL	11.1	*
1999	Detroit Diesel Corporation	XDDXH12.7EGL	12.7	*
1999	General Motors	XGMXH06.5523	6.5	*
1999	International	XNVXH0444ANA	7.3	*
1999	International	XNVXH0444ANB	7.3	*
1999	International	XNVXH07.3ANE	7.3	*
1999	International	XNVXH0466ANA	7.6	*

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			1	2
1999	International	XNVXH0466ANB	7.6	*
1999	International	XNVXH0530ANA	8.7	*
1999	International	XNVXH0530ANB	8.7	*
1999	Isuzu	XSZXH07.84RA	7.8	*
1999	Mack	XMKXH11.9E54	11.9	*
1999	Mercedes-Benz	XMBXH4.25DJA	4.2	*
1999	Mercedes-Benz	XMBXH6.37DJA	6.4	*
1999	Volvo	XVTXH07.350S	7.3	*
1999	Volvo	XVTXH07.399B	7.3	*
1999	Volvo	XVTXH12.150S	12.1	*
2000	Caterpillar	YCPXH0442HRK	7.2	*
2000	Caterpillar	YCPXH0629ERK	10.3	*
2000	Caterpillar	YCPXH0729ERK	11.9	*
2000	Cummins	YCEXH0359BAO	5.9	*
2000	Cummins	YCEXH0359BAP	5.9	*
2000	Cummins	YCEXH0505CAG	8.3	*
2000	Cummins	YCEXH0505CAH	8.3	*
2000	Cummins	YCEXH0505CAI	8.3	*
2000	Cummins	YCEXH0540LAA	8.8	*
2000	Cummins	YCEXH0661MAH	10.8	*
2000	Cummins	YCEXH0661MAI	10.8	*
2000	Cummins	YCEXH0855NAD	14	*
2000	Cummins	YCEXH0855NAE	14	*
2000	Cummins	YCEXH0855NAF	14	*
2000	DaimlerChrysler	YMBXH4.25DJA	4.3	*
2000	DaimlerChrysler	YMBXH6.37DJA	6.4	*
2000	Detroit Diesel Corporation	YDDXH08.5EJB	8.5	*
2000	Detroit Diesel Corporation	YDDXH08.5EJL	8.5	*
2000	Detroit Diesel Corporation	YDDXH12.7EGL	12.7	*
2000	International	YNVXH0444ANA	7.3	*
2000	International	YNVXH0444ANB	7.3	*
2000	International	YNVXH0444ANC	7.3	*
2000	International	YNVXH07.3ANA	7.3	*
2000	International	YNVXH0466ANA	7.6	*
2000	International	YNVXH0466ANB	7.6	*
2000	International	YNVXH0530ANA	8.7	*
2000	International	YNVXH0530ANB	8.7	*
2000	Isuzu	YSZXH07.84RA	7.8	*
2000	Mack	YMKXH11.9E56	11.9	*
2000	Mack	YMKXH11.9V57	11.9	*
2000	Volvo	YVTXH07.350S	7.3	*
2000	Volvo	YVTXH12.150S	12.1	*
2001	Caterpillar	1CPXH0442HRK	7.2	*
2001	Caterpillar	1CPXH0629ERK	10.3	*
2001	Caterpillar	1CPXH0729ERK	11.9	*
2001	Cummins	1CEXH0239BAD	3.9	*
2001	Cummins	1CEXH0239BAE	3.9	*
2001	Cummins	1CEXH0359BAU	5.9	*
2001	Cummins	1CEXH0359BAV	5.9	*
2001	Cummins	1CEXH0505CAN	8.3	*

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2001	Cummins	1CEXH0505CAO	8.3	*
2001	Cummins	1CEXH0505CAP	8.3	*
2001	Cummins	1CEXH0540LAA	8.8	*
2001	Cummins	1CEXH0540LAC	8.8	*
2001	Cummins	1CEXH0661MAQ	10.8	*
2001	Cummins	1CEXH0661MAR	10.8	*
2001	Cummins	1CEXH0855NAD	14	*
2001	Cummins	1CEXH0855NAE	14	*
2001	Cummins	1CEXH0855NAF	14	*
2001	Detroit Diesel Corporation	1DDXH08.5EJB	8.5	*
2001	Detroit Diesel Corporation	1DDXH08.5EJL	8.5	*
2001	Detroit Diesel Corporation	1DDXH12.7EGL	12.7	*
2001	International	1NVXH0444ANA	7.3	*
2001	International	1NVXH0444ANB	7.3	*
2001	International	1NVXH0444ANC	7.3	*
2001	International	1NVXH07.3ANA	7.3	*
2001	International	1NVXH0466ANA	7.6	*
2001	International	1NVXH0466ANB	7.6	*
2001	International	1NVXH0530ANA	8.7	*
2001	International	1NVXH0530ANB	8.7	*
2001	Isuzu	1SZXH07.84RA	7.8	*
2001	Mack	1MKXH11.9H56	11.9	*
2001	Mack	1MKXH11.9H59	11.9	*
2001	Mack	1MKXH11.9V57	11.9	*
2001	Mack	1MKXH11.9V60	11.9	*
2001	Mack	1MKXH11.9V61	11.9	*
2001	Mercedes-Benz	1MBXH4.25DJA	4.2	*
2001	Mercedes-Benz	1MBXH6.37DJA	6.4	*
2001	Mercedes-Benz	1MBXH6.37DJC	6.4	*
2001	Mercedes-Benz	1MBXH12.0DJA	12	*
2001	Mercedes-Benz	1MBXH12.8DJA	12.8	*
2001	Volvo	1VTXH07.350S	7.3	*
2001	Volvo	1VTXH12.150S	12.1	*
2002	Caterpillar	2CPXH0442HRK	7.2	*
2002	Caterpillar	2CPXH0629ERK	10.3	*
2002	Caterpillar	2CPXH0729ERK	11.9	*
2002	Cummins	2CEXH0239BAD	3.9	*
2002	Cummins	2CEXH0239BAE	3.9	*
2002	Cummins	2CEXH0359BAB	5.9	*
2002	Cummins	2CEXH0505CAN	8.3	*
2002	Cummins	2CEXH0505CAQ	8.3	*
2002	Cummins	2CEXH0540LAC	8.8	*
2002	Cummins	2CEXH0661MAS	10.8	*
2002	Cummins	2CEXH0855NAA	14.0	*
2002	DaimlerChrysler	2MBXH4.25DJA	4.3	*
2002	DaimlerChrysler	2MBXH6.37DJA	6.4	*
2002	DaimlerChrysler	2MBXH6.37DJC	6.4	*
2002	DaimlerChrysler	2MBXH15.9DJB	11.9	*
2002	DaimlerChrysler	2MBXH12.0DJA	12	*
2002	DaimlerChrysler	2MBXH12.8DJA	12.8	*

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2002	Detroit Diesel Corporation	2DDXH08.5EJL	8.5	*
2002	Detroit Diesel Corporation	2DDXH12.7EGL	12.7	*
2002	International	2NVXH0444ANA	7.3	*
2002	International	2NVXH0444ANB	7.3	*
2002	International	2NVXH0444ANC	7.3	*
2002	International	2NVXH07.3ANA	7.3	*
2002	International	2NVXH0466ANA	7.6	*
2002	International	2NVXH0466ANB	7.6	*
2002	International	2NVXH0530ANA	8.7	*
2002	International	2NVXH0530ANB	8.7	*
2002	International	2NVXH0530ANC	8.7	*
2002	Isuzu	2SZXH06.64RA	6.6	*
2002	Isuzu	2SZXH07.84RA	7.8	7.2
2002	Mack	2MKXH11.9H59	11.9	*
2002	Mack	2MKXH11.9H63	11.9	*
2002	Mack	2MKXH11.9V60	11.9	*
2002	Mack	2MKXH11.9V61	11.9	*
2002	Volvo	2VTXH07.350S	7.3	*
2002	Volvo	2VTXH12.150S	12.1	*
2003	Cummins	3CEXH0239BAD	3.9	*
2003	Cummins	3CEXH0505CAN	8.3	*
2003	Cummins	3CEXH0505CAQ	8.3	*
2003	Cummins	3CEXH0540LAC	8.8	*
2003	DaimlerChrysler	3MBXH4.25DJA	4.3	*
2003	DaimlerChrysler	3MBXH4.25DJC	4.3	*
2003	DaimlerChrysler	3MBXH6.37DJA	6.4	*
2003	DaimlerChrysler	3MBXH6.37DJC	6.4	*
2003	DaimlerChrysler	3MBXH15.9DJB	11.9	*
2003	DaimlerChrysler	3MBXH12.0DJA	12	*
2003	DaimlerChrysler	3MBXH12.8DJA	12.8	*
2003	International	3NVXH0444ANB	7.3	*
2003	International	3NVXH0444ANC	7.3	*
2003	International	3NVXH0466ANA	7.6	*
2003	International	3NVXH0466ANB	7.6	*
2003	International	3NVXH0530ANA	8.7	*
2003	International	3NVXH0530ANB	8.7	*
2003	International	3NVXH0530ANC	8.7	*
2003	Isuzu	3SZXH06.64RA	6.6	*
2003	Isuzu	3SZXH07.84RA	7.8	*
2004	Cummins	4CEXH0505CAR	8.3	*
2004	Cummins	4CEXH0540LAE	8.8	*
2004	International	4NVXH0466ANA	7.6	*
2004	International	4NVXH0466ANB	7.6	*
2004	International	4NVXH0530ANA	8.7	*
2004	International	4NVXH0530ANB	8.7	*
2004	International	4NVXH0530ANC	8.7	*
2005	Cummins	5CEXH0505CAR	8.3	*
2005	Cummins	5CEXH0540LAE	8.8	*
2006	Cummins	6CEXH0359BAI	5.9	*