

ATTACHMENT 1**Table 1: ARB-Approved Engine Families for the Cleaire Longview™ System**

Model Year	Manufacturer	Engine Family	Displacement (L)
1994	Caterpillar	RCP403DZDAAA	6.6
1994	Caterpillar	RCP403DZDABA	6.6
1994	Cummins	RCE359D6DAAB	5.9
1994	Cummins	RCE359D6DAAW	5.9
1994	Cummins	RCE359D6DABW	5.9
1994	Cummins	RCE505D6DAAA	8.3
1994	Cummins	RCE505D6DAAB	8.3
1994	Cummins	RCE505D6DAAC	8.3
1994	Cummins	RCE505F6DAAW	8.3
1994	Cummins	RCE661FJDAAA	10.8
1994	Detroit Diesel Corporation	RDD8.5FJDABA	8.5
1994	General Motors	RGM6.5C6DAAC	6.5
1994	International	RNV408D6DAAW	6.7
1994	International	RNV444C8DABA	7.3
1994	International	RNV7.3C8DAAA	7.3
1994	International	RNV466D6DAAA	7.6
1994	International	RNV466D6DABA	7.6
1994	International	RNV530D6DAAA	8.7
1994	Mercedes Benz	RMB6.0D6DAAA	6
1994	Mitsubishi	RMT238B7DAAA	3.9
1994	Nissan	RND254C6DAAA	4.2
1994	Nissan	RND423D6DAAA	6.9
1994	Perkins	RPK243C6DAAA	4
1994	Perkins	RPK365D6DAAA	6
1995	Caterpillar	SCP403DZDAAA	6.6
1995	Caterpillar	SCP403DZDABA	6.6
1995	Cummins	SCE239D6DAAA	3.9
1995	Cummins	SCE359D6DAAA	5.9
1995	Cummins	SCE359D6DAAW	5.9
1995	Cummins	SCE359D6DABW	5.9
1995	Cummins	SCE505D6DAAA	8.3
1995	Cummins	SCE505D6DAAW	8.3
1995	Cummins	SCE505D6DABW	8.3
1995	Cummins	SCE505F6DAAW	8.3
1995	Cummins	SCE661FJDAAA	10.8
1995	Detroit Diesel Corporation	SDD8.5EJDABA	8.5
1995	International	SNV444C8DOAA	7.3
1995	International	SNV530F6DATA	8.7
1995	Isuzu	SSZ7.1D6DAAA	7.1
1995	Mercedes Benz	SMB6.0D6DAAA	6
1995	Mitsubishi	SMT460D7DAAA	7.5
1995	Nissan	SND254C6DAAA	4.2
1995	Nissan	SND423D6DAAA	6.9
1995	Perkins	SPK243C6DAAA	4
1995	Perkins	SPK365D6DAAA	6
1995	Renault	SR3377D8DAAW	6.2
1995	Renault	SR3377D8DABW	6.2
1996	Caterpillar	TCP403DZDAAA	6.6
1996	Caterpillar	TCP403DZDABA	6.6

Model Year	Manufacturer	Engine Family	Displacement (L)
1996	Caterpillar	TCP442DZDAAK	7.2
1996	Cummins	TCE239D6DAAA	3.9
1996	Cummins	TCE359D6DAAA	5.9
1996	Cummins	TCE359D6DABW	5.9
1996	Cummins	TCE505D6DAAA	8.3
1996	Cummins	TCE505D6DAAW	8.3
1996	Cummins	TCE505D6DABW	8.3
1996	Cummins	TCE661FJDABA	10.8
1996	Detroit Diesel Corporation	TDD8.5FJDABA	8.5
1996	General Motors	TGM6.5C6DABA	6.5
1996	International	TNV7.3B8DOAA	7.3
1996	International	TNV7.3C8DAAA	7.3
1996	Isuzu	TSZ7.1D6DAAA	7.1
1996	Mitsubishi	TMT238C7DBAA	3.9
1996	Mitsubishi	TMT358D7DBAA	5.9
1996	Mitsubishi	TMT460D7DBAA	7.5
1996	Nissan	TND254C6DAAA	4.2
1996	Nissan	TND423D6DAAA	6.9
1996	Perkins	TPK243C6DAAA	4
1996	Perkins	TPK365D6DAAA	6
1996	Renault	TR3377D8DAAW	6.2
1996	Renault	TR3377D8DABW	6.2
1997	Caterpillar	VCP403DZDAAA	6.6
1997	Caterpillar	VCP403DZDABA	6.6
1997	Caterpillar	VCP442DZDAAK	7.2
1997	Cummins	VCE239D6DAAA	3.9
1997	Cummins	VCE359D6DAAA	5.9
1997	Cummins	VCE359D6DABW	5.9
1997	Cummins	VCE505D6DAAA	8.3
1997	Cummins	VCE505D6DAAW	8.3
1997	Cummins	VCE505D6DABW	8.3
1997	Cummins	VCE661FJDABA	10.8
1997	Detroit Diesel Corporation	VDD3.8C8DABA	3.8
1997	Detroit Diesel Corporation	VDD8.5FJDABA	8.5
1997	General Motors	VGM6.5C6DABA	6.5
1997	International	VNV7.3C8DAAA	7.3
1997	International	VNV7.3C8DAAW	7.3
1997	International	VNV7.3W8DOAK	7.3
1997	Isuzu	VSZ7.1D6DAAA	7.1
1997	Isuzu	VSZ7.1D6DAAW	7.1
1997	Mitsubishi	VMT238C7DBAA	3.9
1997	Mitsubishi	VMT358D7DBAA	5.9
1997	Mitsubishi	VMT460D7DBAA	7.5
1997	Nissan	VND254C6DAAA	4.2
1997	Nissan	VND423D6DAAA	6.9
1997	Renault	VR3377D8DAAW	6.2
1997	Renault	VR3377D8DABW	6.2
1998	Cummins	WCEXH0661MAC	10.8
1998	Detroit Diesel Corporation	WDDXH03.8C1C	3.8
1998	Detroit Diesel Corporation	WDDXH08.5FJC	8.5
1998	General Motors	WGMXH06.5522	6.5
1998	Hino	WHMXH08.0JTR	8

Model Year	Manufacturer	Engine Family	Displacement (L)
1998	International	WNVXH0444CCB	7.3
1998	International	WNVXH0444CCD	7.3
1998	International	WNVXH0466CCB	7.6
1998	International	WNVXH0466CCD	7.6
1998	International	WNVXH0530CCB	8.7
1998	International	WNVXH0530CCD	8.7
1998	Nissan	WNDXH04.2TAB	4.2
1998	Nissan	WNDXH06.9FAB	6.9
1999	Cummins	XCEXH0359BAI	5.9
1999	Cummins	XCEXH0505CAF	8.3
1999	Cummins	XCEXH0661MAC	10.8
1999	Cummins	XCEXH0661MAG	10.8
1999	Detroit Diesel Corporation	XDDXH03.8C1N	3.8
1999	Detroit Diesel Corporation	XDDXH08.5FJN	8.5
1999	Hino	XHMXH08.0JTR	8
1999	International	XNVXH07.3ACA	7.3
1999	International	XNVXH0530ACT	8.7
1999	Mitsubishi	XMTXH03.9D4A	3.9
1999	Mitsubishi	XMTXH05.8D6A	5.9
1999	Mitsubishi	XMTXH07.5D6A	7.5
1999	Nissan	XNDXH04.6FAB	4.6
1999	Nissan	XNDXH06.9FAB	6.9
1999	Renault	XR3XH0377KWC	6.2
1999	Renault	XR3XH0377LWC	6.2
2000	Cummins	YCEXH0359BAI	5.9
2000	Cummins	YCEXH0505CAF	8.3
2000	Cummins	YCEXH0661MAG	10.8
2000	Detroit Diesel Corporation	YDDXH03.8C1N	3.8
2000	Detroit Diesel Corporation	YDDXH08.5FJN	8.5
2000	Hino	YHMXH05.3JTD	5.3
2000	Hino	YHMXH08.0JTP	8
2000	Hino	YHMXH08.0JTR	8
2000	International	YNVXH0444ACT	7.3
2000	International	YNVXH0530ACT	8.7
2000	Mitsubishi	YMTXH03.9D4A	3.9
2000	Mitsubishi	YMTXH05.8D6A	5.9
2000	Mitsubishi	YMTXH07.5D6A	7.5
2000	Nissan	YNDXH04.6FAB	4.6
2000	Nissan	YNDXH06.9FAB	6.9
2000	Renault	YR3XH0377KWC	6.2
2001	Caterpillar	1CPXH0442HAK	7.2
2001	Caterpillar	1CPXH0442HBK	7.2
2001	Cummins	1CEXH0359BAO	5.9
2001	Cummins	1CEXH0505CAM	8.3
2001	Cummins	1CEXH0540LAB	8.8
2001	Cummins	1CEXH0661MAP	10.8
2001	Hino	1HMXH05.3JTD	5.3
2001	Hino	1HMXH08.0JTP	8
2001	Hino	1HMXH08.0JTR	8
2001	International	1NVXH07.3ACE	7.3
2001	International	1NVXH0530ACT	8.7
2001	Mitsubishi	1MTXH03.9D4A	3.9
2001	Mitsubishi	1MTXH04.8M5A	4.8

Model Year	Manufacturer	Engine Family	Displacement (L)
2001	Mitsubishi	1MTXH05.8D6A	5.9
2001	Mitsubishi	1MTXH07.5D6A	7.5
2001	Nissan	1NDXH04.6FAB	4.6
2001	Nissan	1NDXH06.9FAB	6.9
2002	Caterpillar	2CPXH0442HAK	7.2
2002	Caterpillar	2CPXH0442HBV	7.2
2002	Caterpillar	2CPXH0442HBX	7.2
2002	Caterpillar	2CPXH0629EBX	10.3
2002	Caterpillar	2CPXH0729EBX	11.9
2002	Caterpillar	2CPXH0893EBX	14.6
2002	Cummins	2CEXH0359BAO	5.9
2002	Cummins	2CEXH0505CAM	8.3
2002	Cummins	2CEXH0540LAB	8.8
2002	Cummins	2CEXH0661MAP	10.8
2002	Detroit Diesel Corporation	2DDXH12.7FGN	12.7
2002	General Engine Products	2GEPH06.5521	6.5
2002	General Motors	2GMXH06.5521	6.5
2002	Hino	2HMXH05.3JTD	5.3
2002	Hino	2HMXH08.0JTP	8
2002	Hino	2HMXH08.0JTR	8
2002	International	2NVXH07.3ACE	7.3
2002	Mitsubishi	2MTXH03.9D4A	3.9
2002	Mitsubishi	2MTXH04.8M5A	4.8
2002	Mitsubishi	2MTXH05.8D6A	5.9
2002	Mitsubishi	2MTXH07.5D6A	7.5
2002	Nissan	2NDXH04.6FAB	4.6
2002	Nissan	2NDXH06.9FAB	6.9
2003	Caterpillar	3CPXH0442HBV	7.2
2003	Caterpillar	3CPXH0442HBX	7.2
2003	Caterpillar	3CPXH0629EBV	10.3
2003	Caterpillar	3CPXH0629EBX	10.3
2003	Caterpillar	3CPXH0729EBV	11.9
2003	Caterpillar	3CPXH0729EBX	11.9
2003	Caterpillar	3CPXH0893EBV	14.6
2003	General Engine Products	3GEPH06.5521	6.5
2003	Hino	3HMXH05.3JTD	5.3
2003	Hino	3HMXH08.0JTP	8
2003	Hino	3HMXH08.0JTR	8
2003	Isuzu	3SZXH07.84AA	7.8
2003	Mitsubishi	3MTXH03.9D4A	3.9
2003	Mitsubishi	3MTXH04.8M5A	4.8
2003	Mitsubishi	3MTXH05.8D6A	5.9
2003	Mitsubishi	3MTXH07.5D6A	7.5
2003	Nissan	3NDXH04.6FAB	4.6
2003	Nissan	3NDXH06.9FAB	6.9
2004	Caterpillar	4CPXH0442HBK	7.2
2004	Caterpillar	4CPXH0537HBK	8.8
2004	Caterpillar	4CPXH0680EBK	11.1
2004	Caterpillar	4CPXH0763EBK	12.5
2004	Caterpillar	4CPXH0928EBK	15.2
2005	Caterpillar	5CPXH0442HBK	7.2
2005	Caterpillar	5CPXH0680EBK	11.1
2005	Caterpillar	5CPXH0763EBK	12.5
2005	Caterpillar	5CPXH0928EBK	15.2

Model Year	Manufacturer	Engine Family	Displacement (L)
2005	Cummins	5CEXH0505CAX	8.3
2005	Cummins	5CEXH0505CAY	8.3
2005	Cummins	5CEXH0540LAH	8.9
2005	Cummins	5CEXH0540LAI	8.9
2006	Caterpillar	6CPXH0442HBK	7.2
2006	Caterpillar	6CPXH0537HBK	8.8
2006	Caterpillar	6CPXH0680EBK	11.1
2006	Caterpillar	6CPXH0763EBK	12.5
2006	Caterpillar	6CPXH0928EBK	15.2
2006	Cummins	6CEXH0505CAX	8.3
2006	Cummins	6CEXH0505CAY	8.3
2006	Cummins	6CEXH0540LAI	8.9
2006	Cummins	6CEXH0540LAJ	8.9