

ATTACHMENT 1**Table 1: ARB-Approved Engine Families for the Claire 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 |