

**ARB-Approved Engine Families for the Donaldson  
Low Nitrogen Dioxide (NO<sub>2</sub>) Filter (LNF) System  
Relating to Executive Order Series DE-09-009  
Effective Date: October 28, 2013**

Table 2: ARB-Approved Federal Engine Families for the Donaldson LNF System

Model Year	Manufacturer	Engine Family	Displacement (L)
1994	Caterpillar	RCP403DZDARW	6.6
1994	Caterpillar	RCP403DZDASW	6.6
1994	Cummins	RCE359D6DASW	5.9
1994	Cummins	RCE505D6DARW	8.3
1994	Cummins	RCE505F6DABW	8.3
1994	Detroit Diesel	RDD12.EJDASW	12.7
1994	Detroit Diesel	RDD8.5FJDARW	8.5
1994	International	RNV444C8DARA	7.3
1994	International	RNV530D6DARW	8.7
1994	Mack	RMK728EGDATW	11.9
1994	Mack	RMK728EJDARW	11.9
1994	Mack	RMK12.EJDARW	12
1994	Mack	RMK728EGDASW	11.9
1994	Mack	RMK728EJDASW	11.9
1994	Mack	RMK728EJDATW	11.9
1994	Mercedes	RMB10.E6DARA	10
1994	Mercedes	RMB12.E6DARA	12
1994	Perkins	RPK365DGDAAA	5.9
1994	Saab-Scania	RSA673E6DARA	11
1995	Caterpillar	SCP403DZDARW	6.6
1995	Caterpillar	SCP893EZDARW	14.6
1995	Cummins	SCE359D6DARW	5.9
1995	Cummins	SCE505D6DARW	8.3
1995	Cummins	SCE505F6DABW	8.3
1995	Detroit Diesel	SDD12.EJDASW	12.7
1995	International	SNV444C8DAAA	7.3
1995	International	SNV444C8DARW	7.3
1995	International	SNV444C8DASW	7.3
1995	Isuzu	SSZ7.1D6DARW	7.1
1995	Mack	SMK12.EJDARW	11.9
1995	Mack	SMK728EGDASW	11.9
1995	Mack	SMK728EGDATW	11.9
1995	Mack	SMK728EJDARW	11.9
1995	Mack	SMK728EJDASW	11.9
1995	Mack	SMK728EJDATW	11.9
1995	Mercedes Benz	SMB10.E6DARA	10
1995	Mercedes Benz	SMB12.E6DARA	12
1995	Mitsubishi	SMT238B7DAAA	3.9
1995	Mitsubishi	SMT460D7DARW	7.5
1995	Renault	SR3377D8DARW	6.2
1995	Renault	SR3377D8DASW	6.2
1997	Cummins	VCE359D6DARW	5.9
1997	Mack	VMK728EJDARW	11.9
1997	Mack	VMK728EJDASW	11.9
1997	Mack	VMK12.EJDARW	11.9

**ARB-Approved Engine Families for the Donaldson  
Low Nitrogen Dioxide (NO<sub>2</sub>) Filter (LNF) System  
Relating to Executive Order Series DE-09-009  
Effective Date: October 28, 2013**

<b>Model Year</b>	<b>Manufacturer</b>	<b>Engine Family</b>	<b>Displacement (L)</b>
1998	Caterpillar	WCPXH0638MRW	10.5
1998	Caterpillar	WCPXH0893MRW	14.6
1998	Cummins	WCEXH0239BAA	3.9
1998	Cummins	WCEXH0359BAB	5.9
1998	Cummins	WCEXH0359BAC	5.9
1998	Cummins	WCEXH0359BAG	5.9
1998	Cummins	WCEXH0505CAA	8.3
1998	Cummins	WCEXH0661MAF	10.8
1998	Mack	WMKXH0602M48	9.8
1998	Mack	WMKXH0728V40	11.9
1998	Mack	WMKXH0728V41	11.9
1998	Mack	WMKXH0728V43	11.9
1998	Mack	WMKXH0728M44	11.9
1998	International	WNVXH0466ENE	7.6
1998	International	WNVXH0466FNA	7.6
1998	International	WNVXH0466FNC	7.6
1998	International	WNVXH0530FNA	8.7
1998	International	WNVXH0530FNC	8.7
1998	International	WNVXH0444FNA	7.3
1998	International	WNVXH0444FNC	7.3
1998	Renault	WR3XH0377BNF	6.2
1998	Scania	WY9XH11.7203	11.7
1999	Caterpillar	XCPXH0638MRW	10.5
1999	Caterpillar	XCPXH0893MRW	14.6
1999	Cummins	XCEXH0239BAA	3.9
1999	Cummins	XCEXH0359BAM	5.9
1999	Cummins	XCEXH0359BAQ	5.9
1999	Cummins	XCEXH0359BAR	5.9
1999	General Motors	XGMXH06.5522	6.5
1999	International	XNVXH0444ACC	7.3
1999	International	XNVXH07.3FCC	7.3
1999	International	XNVXH07.3FNH	7.3
1999	Renault	XR3XH0377BNF	6.2
1999	Renault	XR3XH0377BWF	6.2
2000	Cummins	YCEXH0239BAA	3.9
2000	Cummins	YCEXH0359BAA	5.9
2000	Cummins	YCEXH0359BAX	5.9
2000	Cummins	YCEXH0359BAY	5.9
2000	Mercedes	YMBXH12.0DJA	12
2000	General Motors	YGMXH06.5528	6.5
2000	General Motors	YGMXH06.5529	6.5
2000	General Motors	YGMXH06.5522	6.5
2000	International	YNVXH07.3FNB	7.3
2000	Renault	YR3XH0377BWF	6.2
2000	Scania	YY9XH10.6106	10.6
2000	Scania	YY9XH11.7202	11.7

**ARB-Approved Engine Families for the Donaldson  
Low Nitrogen Dioxide (NO<sub>2</sub>) Filter (LNF) System  
Relating to Executive Order Series DE-09-009  
Effective Date: October 28, 2013**

<b>Model Year</b>	<b>Manufacturer</b>	<b>Engine Family</b>	<b>Displacement (L)</b>
2001	Cummins	1CEXH0359BAX	5.9
2001	Cummins	1CEXH0359BAA	5.9
2001	Cummins	1CEXH0359BAY	5.9
2001	General Engine Products	1GEPH06.5522	6.5
2001	General Motors	1GMXH06.5528	6.5
2001	General Motors	1GMXH06.5529	6.5
2001	International	1NVXH07.3FNB	7.3
2001	Isuzu	1SZXH06.63RA	6.6
2001	Renault	1R3XH0377BWF	6.2
2001	Scania	1Y9XH11.7202	11.7
2001	Scania	1Y9XH10.6106	10.6
2002	Cummins	2CEXH0359BAD	5.9
2002	Cummins	2CEXH0359BAX	5.9
2002	Cummins	2CEXH0359BAE	5.9
2002	General Motors	2GMXH06.5528	6.5
2002	General Motors	2GMXH06.5529	6.5
2002	International	2NVXH07.3FNB	7.3
2002	Isuzu	2SZXH06.63RA	6.6
2002	Scania	2Y9XH10.6106	10.6
2002	Scania	2Y9XH11.7202	11.7
2003	Cummins	3CEXH0359BAE	5.9
2003	Cummins	3CEXH0359BAI	5.9
2003	Cummins	3CEXH0505CAM	8.3
2003	Cummins	3CEXH0540LAB	8.8
2003	International	3NVXH0530ACT	8.7
2004	Cummins	4CEXH0239BAD	3.9