

Verified NON ROAD Technology					
DEVICE	TYPE	Approved Fuel	CARB Level	EPA %reduction	Applicability HP/ Engine use
Catalytic Exhaust Products Ltd. Dieselytic SXS-SC Diesel Particulate Filter	<b>DPF passive</b>	15 ppm sulfur diesel & B20	3	n/a	<b>Stationary</b> prime and emergency standby generators and pumps with Tier 1, Tier 2, or Tier 3 certified off-road engines certified to 0.2 g/bhp PM or less
Caterpillar, Inc. Diesel Particulate Filter	<b>DPF passive</b>	15 ppm sulfur diesel & B20	3	89	Specific 1996-2005 model years; <b>off-road</b> engines with power ratings between 174.2 to 301.5 HP (EPA) or 175 to 600 HP (CARB) certified to 0.2 g/bhp PM or less
Claire Allmetal	<b>DPF passive</b> (Conditional CARB verification)	15 ppm sulfur diesel & B20	3	n/a	Specific 1996- 2010 model year engines in both tracked and rubber-tired <b>off-road</b> vehicles; certified to 0.2 g/bhp PM or less 150 to 600 HP (CARB)
Claire Lonestar	<b>DPF passive</b> (Conditional CARB verification)	15 ppm sulfur diesel & B20	3	n/a	Specific 1996-2009 model year; rubber-tired <b>off-road</b> vehicles; 150 to 350 HP (CARB) 5.9 to 11 liter displacement certified to 0.12 g/bhp PM or less
Claire Pheonix	<b>DPF active</b> (Conditional CARB verification)	15 ppm sulfur diesel & B20	3	n/a	Specific 1996-2010 model year rubber-tired <b>off-road</b> vehicles 100 to 400 HP (CARB) 3.4 to 12 liter displacement certified to 0.2 g/bhp PM or less
CleanAIR Systems PERMIT	<b>DPF passive</b>	15 ppm sulfur diesel & B20	3	n/a	Stationary emergency and prime generators with Tier 1, Tier 2, or Tier 3 engines certified to at most 0.2 g/bhp PM
DCL Mine-X Sootfilter	<b>DPF passive</b>	15 ppm sulfur diesel & B20	3	n/a	Specific 1996-2009 model year, <b>off-road</b> certified to 0.2 g/bhp PM or less 100 to 1,000 HP
DCL Mine-X Sootfilter	<b>DPF passive</b>	15 ppm sulfur diesel & B20	3	n/a	<b>Stationary</b> prime and emergency standby generators, pumps, and compressors; Tier 1, 2, or 3 off-road engines certified to 0.15 g/bhp PM or less
Engine Control Systems Combifilter	<b>DPF active</b>	15 ppm sulfur diesel & B20	3	n/a	Specific 2007 or older <b>off-road engines</b> certified to 0.45 g/bhp PM or less & up to 600 HP
Engine Control System Purifilter	<b>DPF passive</b> (Conditional CARB verification)	15 ppm sulfur diesel & B20	3	n/a	Specific 1996 to 2008 model year, <b>off-road</b> certified to 0.2 g/bhp PM or less 50 to 750 HP

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ESW Canada ThermaCat	<b>DPF passive / active</b>	15 ppm sulfur diesel & B20	3	n/a	Specific 1996 to 2009 model year, <b>off-road</b> 5 to 10 liter displacement certified to 0.1 g/bhp PM or less & 175 to 275 HP
GTE Industries. Purity DPF	<b>DPF passive</b>	15 ppm sulfur diesel & B20	3	n/a	<b>Stationary</b> prime and emergency standby generators and pumps with Tier 1, Tier 2, or Tier 3 certified off-road engines meeting 0.2 g/bhp-hr or less
HUSS Umwelttechnik GmbH	<b>DPF active</b>	15 ppm sulfur diesel & B20	3	n/a	<b>Off-road</b> through 2009 and not on exclusion list
Johnson Matthey CRT+	<b>DPF passive</b>	15 ppm sulfur diesel & B20	3	3	<b>Stationary</b> emergency/ standby generators powered by Tier 1, Tier 2, or Tier 3 certified off-road engines meeting 0.2 grams per brake horse power hour (g/bhp-hr)
Miratech Corporation (DPF) combiKat CBS Particulate Trap	<b>DPF passive</b>	15 ppm sulfur diesel & B20	3	n/a	<b>Stationary</b> emergency and prime generators with a PM emission rate of 0.2 g/bhp-hr or less.
Nett Technologies. NETT GreenTRAPTM DPF	<b>DPF passive</b>	15 ppm sulfur diesel & B20	3	n/a	<b>Stationary</b> prime and emergency standby generators and pumps with Tier 1, Tier 2, or Tier 3 certified off-road engines meeting 0.2 g/bhp-hr or less
Rypos Inc. HDPF/C hybrid diesel particulate filter	<b>DPF active</b>	15 ppm sulfur diesel & B20	3	n/a	1996-2007 <b>Stationary</b> prime and emergency standby generators and pumps with Tier 1, Tier 2, or Tier 3 certified off-road engines meeting 0.2 g/bhp-hr or less
Sud-Chemie, Inc. EnviCat-DPF	<b>DPF passive</b>	15 ppm sulfur diesel & B20	3	n/a	<b>Stationary</b> prime and emergency power generation or pumping having with Tier 1, Tier 2, or Tier 3 certified off-road engines meeting 0.2 g/bhp-hr or less

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Universal Emissions Technologies GreenShield DPF	<b>DPF passive</b>	15 ppm sulfur diesel & B20	3	n/a	<b>Stationary</b> prime and emergency standby power generators and pumps with Tier 1, Tier 2, or Tier 3 certified off-road engines.
Caterpillar, Inc.	Emissions Upgrade Group	500 ppm sulfur diesel	n/a	22	<b>Nonroad:</b> Caterpillar model 3306 diesel engines for nonroad applications with model years from 1988 to 1995 with mechanical direct fuel injection.
Engine Control System AZ Purimuffler/Purifier	DOC and Fuel supplement	15 ppm sulfur diesel & B20	2	n/a	Specific 1996 to 2002 model year <b>off-road</b> diesel engines
Donaldson 6000 Series catalyst formulation plus closed loop crankcase	6000 DOC and Crankcase Filter	15 ppm sulfur diesel & B20	1	n/a	Specific 1996-2003 <b>off-road</b> engines Between 150 and 600 horsepower
Extengine Transport Systems Advanced Diesel Emission Control	DOC & Selective Catalytic Reduction (SCR)	500 ppm sulfur diesel	1	n/a	1991-1995 Cummins 150 to 200 horsepower <b>nonroad</b> engines used in excavators, dozers, loaders, and utility tractor rigs
Vycon REGEN System	Flywheel based energy storage device	15 ppm sulfur diesel	1	n/a	Rubber-tired gantry (RTG) cranes equipped with Pre-Tier 1 (pre-1996 model year) <b>off-road</b> diesel engines or Tier 1, Tier 2, or Tier 3 certified off-road >50 HP