

Off-Road Products		ALLMETAL™	SKYLINE™	PHOENIX®	LONESTAR®
Filter Type		Passive diesel particulate filter	Active diesel particulate filter with electric heater regeneration	Active diesel particulate filter with diesel burner regeneration	Passive diesel particulate filter with NOx reduction
CARB Verification ¹	Engine PM Limit	0.20 g/bhp-hr PM and lower	0.40 g/bhp-hr PM and lower	0.20 g/bhp-hr PM and lower	0.12 g/bhp-hr PM and lower
	Engine Model Years	1996-2010	1996-2007	1996-2009	1996-2009
	Engine Displacement	6.7 to 18.2 liters (inclusive)	Up to 15 liters	Up to 12 liters	150-350 horsepower
CARB Exclusions ¹		No 2-stroke engines No OE diesel particulate filter No external EGR	No 2-stroke engines No OE diesel particulate filter No OE oxidation catalyst No external EGR	No 2-stroke engines No OE diesel particulate filter No OE oxidation catalyst No external EGR	No 2-stroke engines No OE diesel particulate filter No external EGR Turbo charged engines only
Typical Applications		High-Horsepower: loaders, dozers, scrapers, graders, excavators, cranes and other construction equipment	Light Duty Cycle: captive yard based equipment including fork lifts, cranes, yard goats and others	Light Duty Cycle: construction equipment, fork lifts, cranes, yard goats, agricultural equipment, tracked equipment and others	loaders, graders, excavators, scrapers, cranes and other construction equipment
PM Reduction		Greater than 85% (Level 3+)	Greater than 85% (Level 3+)	Greater than 85% (Level 3+)	Greater than 85% (Level 3+)
NOx Reduction		None	None	None	At least 40%
Fuel Compatibility		<ul style="list-style-type: none"> • ULSD • Up to B20 	<ul style="list-style-type: none"> • ULSD • Up to B20 	ULSD	<ul style="list-style-type: none"> • ULSD • Up to B20
Exhaust Temperature Requirement		Yes - Consult Cleaire dealer	None	None	260° C for at least 70% time
Ash Capacity		600g	200g	200g	200g
Regeneration Type		Passive	Active (electric heater)	Active (diesel burner)	Passive
Regeneration Time		n/a	4 hours	2 hours	n/a
Engine Run Time Between Regenerations		n/a	Consult Cleaire dealer ²	Consult Cleaire dealer ²	n/a
Eligible for Local, State and Federal Funding Programs		Yes	Yes	Yes	Yes

¹ Check verification for specific application criteria and requirements. ² Based on engine condition, maintenance practices and duty cycle.
NOTE: Product specifications are for reference only and may vary or change without notice.

