



EnerBurn® Success Story:

Hydraulic Fracturing Pump Diesel Engine Test©

Introduction: *Enerburn® fuel combustion catalyst was used to reduce diesel fuel consumption by an average of 9% for a Tier 2 Caterpillar Engine. Test measurements were performed by an EPA-certified emissions testing company. Fuel consumption was calculated using the EPA-approved “Carbon Mass Balance” method.*

Background: *Summary of Engine and Testing Details.*

Engine Manufacturer & HP	2010 Caterpillar 3512, 2250 hp, Tier 2
Oilfield Services Company:	confidential
Engine Test Conditions:	constant horsepower
Test Period:	2012
Test Engineering Company	Emisstar, LLC., www.emisstar.com

Results & Conclusions: *Summary of Baseline versus new Benchmark fuel consumption using diesel treated with Enerburn®.*

% Load at 1600 rpm	Baseline (untreated) Gallons per Hour	Final - with EnerBurn Gallons per Hour	% Improvement
100 %	87.91	80.04	9%
75%	70.52	65.99	6%
50%	52.58	46.23	12%
Average	70.34	64.09	9%
Idle – no load	10.16	10.04	1%

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