## **Official Test Report**

Form #: T06-13 - Initial Release, 11/26/2013

ISO 17025:2005 Accredited Laboratory

April 24, 2017

LCM Project 17.042101

## Dieselcraft

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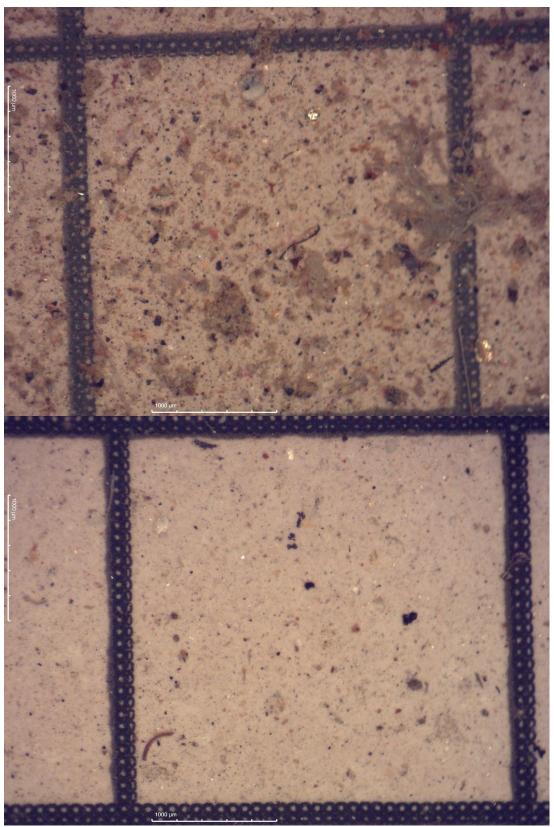
## **Fuel Cleanliness Analysis: Evaluation of Treatment**

Fuel samples submitted 4-14-2017 were analyzed by ISO Cleanliness test methods 4407/4406. Weight measurements and particle counts of the filtered samples suggest the treatment is removing approximately 99% of the debris from the fuel.

## Table 1: Test Results

LCM Sample ID	Client Sample ID/Description	Fuel Cleanliness Results <sup>1</sup>	
17.042101-01	Before Treatment	Particulate Content (>1.2μm)	: 182mg/L ± 5mg/L
		ISO 4407 Particles per 100ml <sup>1</sup>	:
		≥ 5µm: 8378000	
		≥ 15µm: 3805000	
		Fibers: 17654	
		ISO 4406 Cleanliness Code:	
		-/24/22	
17.042101-02	After Treatment	Particulate Content (>1.2μm): 2mg/L ± 1mg/L	
		ISO 4407 Particles per 100ml <sup>1</sup>	:
		≥ 5µm: 128000	
		≥ 15µm: 30500	
		Fibers: 1543	
		ISO 4406 Cleanliness Code:	
		-/17/15	
Membrane Filter Pore Size: 1.2μm		Effective Filtration Area: 177mm <sup>2</sup>	Sample Volume: 100ml
Microscope: BA310Met-T SN:1480000644		Lighting Method: Incident	
	of solid particles contamina of solid particles contaminates.	ation by the counting method using a m	nicroscope under transmitted/incide





**Figure 1: Before and After Comparison.** 3.2mm square from 177mm<sup>2</sup> filter region. Sample volume: 100ml for both images.



The results presented in this report relate only to the samples tested.

This report shall not be duplicated, except in full, without written approval from Lab/Cor Materials, LLC.

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