

Centrifuge Proven in Pickup Truck Application

Analysis proves oil remained clean after 20,000 miles of operation



Scenario

In 2009, California-based Midwest Lube, Inc., was looking for ways to improve engine protection and reduce maintenance costs for their service trucks. After evaluating several options, the company decided to test a Spinner II oil cleaning centrifuge on one of their pickup trucks.



Solution

In January of that year, a Spinner II Model 25 oil cleaning centrifuge was installed on a 2006 Dodge 2500 pickup with a 5.9 liter Cummins diesel engine. At the time of installation, the truck had 51,241 miles.



According to Hart Kruppe, who managed the test for Midwest Lube: "At 66,305 miles, the Spinner II centrifuge was checked and serviced. The centrifuge rotor contained a 3/16-inch layer of soot that had been removed from the oil. We were pleased with the results. The oil was changed, the centrifuge rotor cleaned and replaced, and the truck was returned to service.

"Later in the year, we became extremely busy and – as with many companies – the first thing that gets overlooked is our internal PM program. Before we knew it, we had operated the truck from December 2009 to August of 2010 without an oil change. It had run a little over 20,000 miles. Before going any further, we took an oil sample for analysis."

	Company:	MIDWEST LUBE, INC	City:	Midwest Lube Inc.	Phone:													
	Address:	25880 Bouquet Canyon Rd	State:	Suite #300	661-236-5884													
	Phone:		Zip:	San Jose	Fax:													
	Small:			CA	92090													
Truck Make:	GENERAL	Truck Unit ID:		Unit ID:	DODGE													
Truck Model:	GENERAL	Engine Make:	CUMMINS	Test Date:	06/02/2010													
		Engine Model:	GENERAL	Equipment:	Diesel Engine													
Sample Capacity:	12 Quarts																	
WEAR METALS (in Parts per Million)																		
Oil Brand:	CHRYSLER																	
Oil Type:	DELO400LE																	
Oil Weight:	159940																	
Miles on Unit:	57080	ALL ENGINE WEAR RATES NORMAL. SAMPLE APPEARS FREE OF EXTERNAL CONTAMINATION. ANALYSIS INDICATES PROPER PERFORMANCE OF THE LUBRICANT AND UNIT.																
Miles on Oil:	20000																	

Results

"Needless to say, we were surprised by the oil analysis results. Despite putting 20,000 miles on the oil, the test results showed that everything was normal and the lubricant performance was proper."

The analysis stated: All engine wear rates normal. Sample appears free of external contamination. Analysis indicates proper performance of the lubricant and unit.

"I don't think we would have gotten the same results without the Spinner II centrifuge on the engine," added Kruppe.



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