



OIL REPORT

LAB NUMBER: F05842
 REPORT DATE: 6/8/2012
 CODE: 22/461

UNIT ID: HO3500 SRW
 CLIENT ID: 17684
 PAYMENT: CC: Visa (Bulk)

UNIT	MAKE/MODEL: Cummins ISB 6.7L	OIL TYPE & GRADE: 15W/40
	FUEL TYPE: Diesel	OIL USE INTERVAL: 5,971 Miles
	ADDITIONAL INFO: 2011 Dodge Ram 3500 HD	

CLIENT	MICHAEL LOFTIS	PHONE: (208) 431-6652
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COMMENTS MICHAEL: Potassium and aluminum show up in diesel engine oil samples from time to time, and are typically from the exhaust gas recirculation system. Both are something to keep watch over though, since aluminum can also come from pistons and potassium can be a marker for coolant. If your engine had a coolant issue in the works, we'd expect to also see some excess sodium though. The low flashpoint may show 0.5% fuel, but this is a normal amount. The TBN was strong at 4.0. Check back at your next normal oil change for another look at your engine's health.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	5,971	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	16,702						
	Sample Date	05/26/12						
	Make Up Oil Added	0 qts						
ALUMINUM	14	14					4	
CHROMIUM	1	1					2	
IRON	33	33					31	
COPPER	5	5					5	
LEAD	0	0					2	
TIN	1	1					1	
MOLYBDENUM	10	10					29	
NICKEL	0	0					0	
MANGANESE	1	1					1	
SILVER	0	0					0	
TITANIUM	0	0					0	
POTASSIUM	43	43					4	
BORON	30	30					47	
SILICON	5	5					8	
SODIUM	3	3					5	
CALCIUM	2110	2110					2556	
MAGNESIUM	31	31					232	
PHOSPHORUS	896	896					1053	
ZINC	1034	1034					1225	
BARIUM	0	0					0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	73.0	68-82				
	cSt Viscosity @ 100°C	13.75	12.4-16.3				
	Flashpoint in °F	395	>400				
	Fuel %	0.5	<2.0				
	Antifreeze %	?	0.0				
	Water %	0.0	0.0				
	Insolubles %	0.4	<0.6				
	TBN	4.0	>1.0				
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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