



OIL REPORT

LAB NUMBER:
 REPORT DATE: 2/5/2014
 CODE:

UNIT ID: DODGE
 CLIENT ID:
 PAYMENT:

UNIT	MAKE/MODEL: Cummins ISB 5.9L (Pickup)	OIL TYPE & GRADE: Shell Rotella T 15W/40
	FUEL TYPE: Diesel	OIL USE INTERVAL: 3,500 Miles
	ADDITIONAL INFO: 1992	

CLIENT COMMENTS	PHONE: (
	FAX:
	ALT PHONE:
	EMAIL:

PARTS PERFORMANCE
 JUSTIN: Silicon was a bit elevated in this sample, but you mentioned some recent work on the valves and the fuel filter, so we're probably just seeing silicon from sealers that were used. Metals look great, so the silicon doesn't seem like an abrasive contaminant, but if you haven't checked the air filter in a while, it certainly never hurts to do so, even when wear metals are low. Averages are based on ~6,700 miles on the oil for this type of engine, and your metals all fell in line on this shorter run. No fuel, moisture, or coolant was found. Try up 6,000 miles.

ELEMENTS			UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Oil							
	MI/HR on Oil	3,500						
	MI/HR on Unit	384.678						
	Sample Date	02/02/14						
	Make Up Oil Added	1-2 qts						
ES	ALUMINUM	2	2					3
	CHROMIUM	1	1					1
	IRON	8	8					24
	COPPER	1	1					5
	LEAD	1	1					2
	TIN	0	0					1
	MOLYBDENUM	0	0					38
	NICKEL	0	0					0
	MANGANESE	0	0					0
	SILVER	0	0					1
	TITANIUM	0	0					1
	POTASSIUM	8	8					5
	BORON	31	31					84
	SILICON	12	12					5
	SODIUM	4	4					5
	CALCIUM	2280	2280					2274
	MAGNESIUM	7	7					406
PHOSPHORUS	970	970					1115	
ZINC	1115	1115					1298	
ES	BARIUM	0	0					0

Values Should Be*

PROP		Values Should Be*					
	SUS Viscosity @ 210°F	78.2	69-80				
	cSt Viscosity @ 100°C	15.08	12.7-15.8				
	Flashpoint in °F	445	>410				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0				
	Water %	0.0	0.0				
	Insolubles %	0.3	<0.6				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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