



# OIL REPORT

LAB NUMBER: D39038  
 REPORT DATE: 5/8/2008  
 CODE: 1/12

UNIT ID: 07 MEGA  
 CLIENT ID: 15462  
 PAYMENT: CC: Visa (Bulk)

<b>UNIT</b>	MAKE/MODEL: Cummins 6 BT 5.9L	OIL TYPE & GRADE: PB Extreme 5W/40
	FUEL TYPE: Diesel	OIL USE INTERVAL: 4,500 Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>	SIDNEY NELSON	PHONE: (801) 656-8313
	PARAMOUNT ACCETPANCE CORP	FAX:
	4725 S. HOLLADAY BLVD. STE. 100	ALT PHONE:
	HOLLADAY, UT 84117	EMAIL: sidneynelson@hotmail.com

**COMMENTS** SIDNEY: It would be highly unusual for a new Cummins to have a coolant leak. We found 20 ppm of potassium, which is the main ingredient of coolant. However, we have recently learned that this element can also come from the EGR cooler (heat exchanger) on newer diesels. Since this is the longest oil run so far for yours we put a question mark in the %A/F column until we see another sample. Engine wear looks good so we're betting the potassium isn't from anti-freeze. All else checks out just great at 9,870 miles. Check back in ~5,000 miles for another look.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	4,500	<b>UNIT / LOCATION AVERAGES</b>	2,100	1,700	<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	9,870		5,370	3,284	
	Sample Date	05/07/08		11/03/07	08/10/07	
	Make Up Oil Added	0 qts		12 qts	12 qts	
ALUMINUM	3	3	2	4	3	
CHROMIUM	1	1	1	0	2	
IRON	26	17	22	17	23	
COPPER	1	3	2	4	4	
LEAD	0	1	0	1	3	
TIN	1	1	0	0	1	
MOLYBDENUM	169	56	26	200	26	
NICKEL	0	0	0	0	0	
MANGANESE	1	1	1	1	0	
SILVER	0	1	1	1	0	
TITANIUM	0	0	0	0	0	
POTASSIUM	20	11	5	3	3	
BORON	90	56	36	108	83	
SILICON	7	9	9	12	7	
SODIUM	2	2	2	4	4	
CALCIUM	3744	2880	2223	3079	2839	
MAGNESIUM	8	268	5	7	232	
PHOSPHORUS	1262	1175	1018	1089	1084	
ZINC	1548	1379	1164	1355	1268	
BARIUM	0	1	0	2	1	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	76.9	66-78	72.8	77.2
	cSt Viscosity @ 100°C	14.74	11.9-15.3	13.70	14.82
	Flashpoint in °F	435	>410	425	395
	Fuel %	<0.5	<2.0	<0.5	2.0
	Antifreeze %	?	0.0	0.0	0.0
	Water %	0.0	<0.1	0.0	0.0
	Insolubles %	0.2	<0.8	0.3	0.3
	TBN				
	TAN				
ISO Code					

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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