



OIL REPORT

LAB NUMBER: E82540 UNIT ID: DODGE RAM
 REPORT DATE: 12/13/2011 CLIENT ID: 18438
 CODE: 20/501 PAYMENT: CC: MC

UNIT	MAKE/MODEL: Cummins 6.7L	OIL TYPE & GRADE: Shell Rotella T6 5W/40
	FUEL TYPE: Diesel	OIL USE INTERVAL: 8,011 Miles
	ADDITIONAL INFO: 2007 Dodge Ram 3500	

CLIENT	SCOTT PIRSAK	PHONE: (306) 359-1503
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COMMENTS SCOTT: Yes, this engine is fine for longer oil change intervals. Here's why: First, it seems to be wearing well. Metals are low and well-balanced compared to averages, which are based on a shorter oil change interval of about 6,000 miles. Secondly, the engine isn't suffering from any fuel, water, or coolant contamination issues. Finally, the TBN is well above 1.0 so there's plenty of active additive left in the oil (the TBN read 8.3). Run your next oil 2,000 miles longer. If all is well, we'll suggest increases of about 2,000 miles until we find your oil change "sweet spot." Nice!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	8,011	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit							
	Sample Date	12/04/11		03/12/08				
	Make Up Oil Added	0 qts						
ALUMINUM	5	5	5					3
CHROMIUM	1	2	2					1
IRON	20	32	44					24
COPPER	4	4	3					8
LEAD	0	1	1					1
TIN	0	0	0					1
MOLYBDENUM	78	40	2					35
NICKEL	0	1	1					0
MANGANESE	0	1	1					0
SILVER	3	2	0					0
TITANIUM	0	0	0					0
POTASSIUM	8	10	12					6
BORON	70	44	18					48
SILICON	4	5	6					5
SODIUM	3	3	3					6
CALCIUM	1127	1738	2348					1552
MAGNESIUM	1181	595	9					550
PHOSPHORUS	1188	1044	900					988
ZINC	1296	1203	1109					1175
BARIUM	0	0	0					0

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	73.0	66-78	80.7			
	cSt Viscosity @ 100°C	13.74	11.9-15.3	15.69			
	Flashpoint in °F	415	>410	415			
	Fuel %	<0.5	<2.0	<0.5			
	Antifreeze %	0.0	0.0	0.0			
	Water %	0.0	<0.1	0.0			
	Insolubles %	0.2	<0.8	0.4			
	TBN	8.3					
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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