



OIL REPORT

LAB NUMBER: D94648 UNIT ID: 06 RAM
 REPORT DATE: 11/12/2009 CLIENT ID: 38402
 CODE: 63/286 PAYMENT: Prepaid

UNIT	MAKE/MODEL: Cummins 6 BT 5.9L	OIL TYPE & GRADE: Amsoil 15W/40
	FUEL TYPE: Diesel	OIL USE INTERVAL: 7,000 Miles
	ADDITIONAL INFO:	

CLIENT	AKRAAD HAMIR	PHONE: (774) 210-2872
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	FT. LEAVENWORTH, KS 66027	ALT PHONE:
		EMAIL: akraad@gmail.com

COMMENTS AKRAAD: Copper was the only metal reading out of line in this initial sample from your Dodge Ram. This shows a little excess wear at a brass/bronze part, though at a mere 10 ppm it's not enough to lose any sleep over. It could be from lingering break-in from when the engine was new (depending on how many miles it has now), since copper takes a long time to come down in new engines. Or maybe it's something else. The important thing is, all other wear looks good and no fuel or antifreeze was present. The TBN read strong at 8.2. Change this oil in 2K mi.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	7,000	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit							
	Sample Date	11/02/09						
	Make Up Oil Added	0 qts						
ALUMINUM	4	4					3	
CHROMIUM	1	1					2	
IRON	29	29					23	
COPPER	10	10					4	
LEAD	3	3					2	
TIN	1	1					1	
MOLYBDENUM	2	2					28	
NICKEL	0	0					0	
MANGANESE	0	0					0	
SILVER	0	0					0	
TITANIUM	0	0					0	
POTASSIUM	10	10					3	
BORON	6	6					81	
SILICON	3	3					7	
SODIUM	5	5					4	
CALCIUM	3317	3317					2761	
MAGNESIUM	13	13					239	
PHOSPHORUS	1075	1075					1081	
ZINC	1278	1278					1272	
BARIUM	0	0					1	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	76.2	68-80				
	cSt Viscosity @ 100°C	14.56	12.4-15.8				
	Flashpoint in °F	440	>410				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0				
	Water %	0.0	<0.1				
	Insolubles %	0.3	<0.8				
	TBN	8.2					
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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