



OIL REPORT

LAB NUMBER: D32306
 REPORT DATE: 2/29/08
 CODE: 22/37

UNIT ID: 04.5 RAM
 CLIENT ID: 3424
 PAYMENT: CC: MC

UNIT	MAKE/MODEL: Cummins 6 BT 5.9L	OIL TYPE & GRADE: Valvoline Premium Blue 15W/40 CJ-4
	FUEL TYPE: Diesel	OIL USE INTERVAL: 10,158 Miles
	ADDITIONAL INFO:	

CLIENT	MARK HODOWANEC	(PHONE: (703) 297-7105)
	40277 IRON LIEGE CT LEESBURG, VA 20176	(FAX: (513) 458-5134) (ALT PHONE:) (EMAIL: markhodowanec@yahoo.com)

COMMENTS MARK: At 82,000 miles we think your Cummins 5.9L is wearing very nicely. Only iron was enough above average to comment on and it's due to the long oil runs and isn't a problem. Iron tends to track with miles on the oil (more miles=more iron) and as long as all other wear reads normally we don't get too concerned about it. Universal averages are based on an oil run of ~6,700 miles. CJ-4 oils are compatible with CI-4s and we haven't seen an instance where they don't work as well as the CI-4 oils. It looks like this oil is working well for you. No problems found.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	10,158	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	82,000						
	Sample Date	02/09/08						
	Make Up Oil Added	0 qts						
	ALUMINUM	3	3					3
	CHROMIUM	3	3					2
	IRON	37	37					23
	COPPER	4	4					4
	LEAD	2	2					2
	TIN	0	0					1
	MOLYBDENUM	34	34					25
	NICKEL	1	1					0
	MANGANESE	1	1					0
	SILVER	1	1					0
	TITANIUM	0	0					0
	POTASSIUM	6	6					3
	BORON	2	2					84
	SILICON	4	4					7
	SODIUM	3	3					4
	CALCIUM	1352	1352					2841
	MAGNESIUM	665	665					233
	PHOSPHORUS	944	944					1083
	ZINC	1121	1121					1267
	BARIUM	0	0					1

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	74.2	69-78				
	cSt Viscosity @ 100°C	14.04	12.7-15.3				
	Flashpoint in °F	445	>415				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	<0.1				
	Insolubles %	0.3	<0.8				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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