



OIL REPORT

LAB NUMBER: J24352
REPORT DATE: 4/17/2017
CODE: 20/685

UNIT ID: 05 RAM 2500
CLIENT ID: 73635
PAYMENT: Prepaid

UNIT	MAKE/MODEL: Cummins ISB 5.9L (Pickup)	OIL TYPE & GRADE: Chevron Delo 400 15W/40
	FUEL TYPE: Diesel	OIL USE INTERVAL: 8,533 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS	We haven't seen your Cummins in a couple years, but it looks as good here as it ever has. Wear metals are identical to your last sample, which actually shows some reductions with the longer oil run in mind. That just goes to show that your engine can safely run longer between oil changes. The TBN is doing great at 5.7 (1.0 is low), and feel free to try an even longer run next time, if you'd like. An even 10,000 miles would be just fine and an easy interval to remember. Even 11,000 wouldn't be a problem for this ISB engine. No problems to note in this report!

ELEMENTS IN PARTS PER MILLION	MIHR on Oil	8,533	UNIT / LOCATION AVERAGES	6,542	6,426				UNIVERSAL AVERAGES
	MIHR on Unit	126,721		97,804	91,262				
	Sample Date	3/10/2017		1/2/2015	6/8/2014				
	Make Up Oil Added	0 qts		0 qts	0 qts				
	ALUMINUM	5	4	5	3				3
	CHROMIUM	1	1	1	1				1
	IRON	19	18	19	17				25
	COPPER	2	2	2	1				5
	LEAD	1	1	1	0				2
	TIN	0	1	0	2				1
	MOLYBDENUM	94	92	94	88				37
	NICKEL	0	0	1	0				0
	MANGANESE	0	0	0	0				0
	SILVER	2	2	2	1				1
	TITANIUM	0	0	0	0				2
	POTASSIUM	6	7	5	10				6
	BORON	454	546	717	468				80
	SILICON	5	5	5	4				5
	SODIUM	3	2	3	1				5
	CALCIUM	1440	1513	1609	1490				2118
	MAGNESIUM	388	394	434	359				454
	PHOSPHORUS	1077	1100	1145	1078				1099
	ZINC	1211	1260	1329	1239				1289
	BARIIUM	0	0	0	0				0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	78.6	69-82	77.3	78.3			
	cSt Viscosity @ 100°C	15.17	12.7-16.3	14.84	15.09			
	Flashpoint in °F	440	>405	440	435			
	Fuel %	<0.5	<2.0	<0.5	<0.5			
	Antifreeze %	0.0	0.0	0.0	0.0			
	Water %	0.0	0.0	0.0	0.0			
	Insolubles %	0.3	<0.6	0.3	0.4			
	TBN	5.7	>1.0	4.9	3.8			
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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