



OIL REPORT

LAB NUMBER: G90134

UNIT ID: BLUE CUMMINS

REPORT DATE: 7/20/2015

CLIENT ID: 71227

CODE: 44/501

PAYMENT: CC: Visa

UNIT

MAKE/MODEL: Cummins ISB 5.9L (Pickup)
FUEL TYPE: Diesel
ADDITIONAL INFO: 2005 Ram 2500

OIL TYPE & GRADE: Shell Rotella T6 5W/40
OIL USE INTERVAL: 7,308 Miles

CLIENT

CHAD HERTZ
7404 W 2000 N RD
BONFIELD, IL 60913

PHONE: (815) 260-8343
FAX:
ALT PHONE:
EMAIL: chertz79@gmail.com

COMMENTS

CHAD: It looks like your sampling technique was fine since there wasn't any measurable fuel in this sample of 5W/40 grade oil. Sometimes, we'll find small amounts of fuel from idling or not getting the oil up to full operating temp, but that wasn't an issue here. You used a longer run this time, which is why iron is higher. Other metals held fairly steady and close to average, just as they should. The TBN was plenty strong at 8.0, so there was lots of active additive left in the oil. Try 9,500 miles next and check back for another look. So far, so good for the Blue Cummins!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	7,308	UNIT / LOCATION AVERAGES	4,272					
	MI/HR on Unit	108,450		101,142					
	Sample Date	7/3/2015		7/21/2014					
	Make Up Oil Added	0 qts		0 qts					
	ALUMINUM	2		2					3
	CHROMIUM	2		1					1
	IRON	36		21					25
	COPPER	5		4					5
	LEAD	1		1					2
	TIN	1		0					1
	MOLYBDENUM	66		54					38
	NICKEL	1		1					0
	MANGANESE	0		0					0
	SILVER	2		1					1
	TITANIUM	0		0					2
	POTASSIUM	7		1					5
	BORON	43		49					82
	SILICON	4		3					5
	SODIUM	6		5					5
UNIVERSAL AVERAGES	CALCIUM	909	983	1056					2194
	MAGNESIUM	1288	1233	1178					435
	PHOSPHORUS	1108	1126	1144					1111
	ZINC	1399	1369	1338					1298
	BARIUM	0	0	0					0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	75.4	66-78	74.9				
	cSt Viscosity @ 100°C	14.35	11.9-15.3	14.22				
	Flashpoint in °F	440	>410	445				
	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	0.3				
	TBN	8.0	>1.0	7.9				
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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