



OIL REPORT

LAB NUMBER:
REPORT DATE: 6/6/2016
CODE: 20/32

UNIT ID:
CLIENT ID:
PAYMENT:

UNIT

EQUIP. MAKE/MODEL: Cummins ISB 6.7L (Pickup)
FUEL TYPE: Diesel
ADDITIONAL INFO:

OIL TYPE & GRADE: Super Tech 15W/40
OIL USE INTERVAL: 4,768 Miles

CLIENT

PHONE:
FAX:
ALT PHONE:
EMAIL:

COMMENTS

Wear metals look good, but we aren't ready to suggest a longer oil run for this engine yet because there's a lot of fuel in this sample. 4.0% fuel is enough to show a fuel system problem like a leaky injector. We'd be surprised if it were related to the new fuel filters you mentioned, but maybe. The fuel thinned the viscosity into the 5W/30 grade range. The good news is that metals line up well with universal averages, which show typical wear after about 6,900 miles of oil use. Change this oil and watch for a rising oil level. Use 5,000 miles next.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	4,768	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	70,416							
	Sample Date	5/21/2016							
	Make Up Oil Added	0 qts							
	ALUMINUM	3	3						3
	CHROMIUM	1	1						1
	IRON	23	23						24
	COPPER	1	1						7
	LEAD	0	0						1
	TIN	0	0						1
	MOLYBDENUM	59	59						33
	NICKEL	0	0						0
	MANGANESE	0	0						0
	SILVER	0	0						0
	TITANIUM	0	0						2
	POTASSIUM	5	5						8
	BORON	4	4						49
	SILICON	2	2						5
	SODIUM	3	3						6
	CALCIUM	910	910						1658
	MAGNESIUM	960	960						587
	PHOSPHORUS	882	882						1030
	ZINC	1084	1084						1219
	BARIIUM	0	0						0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	57.4	69-78					
	cSt Viscosity @ 100°C	9.46	12.7-15.3					
	Flashpoint in °F	375	>415					
	Fuel %	4.0	<2.0					
	Antifreeze %	0.0	0.0					
	Water %	0.0	<0.1					
	Insolubles %	0.2	<0.6					
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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