



OIL REPORT

LAB NUMBER: J69198
 REPORT DATE: 10/16/2017
 CODE: 20/32

UNIT ID: 07 DODGE
 CLIENT ID: [REDACTED]
 PAYMENT: Prepaid

UNIT	MAKE/MODEL: Cummins ISB 6.7L	OIL TYPE & GRADE: Shell Rotella T6 5W/40
	FUEL TYPE: Diesel	OIL USE INTERVAL: 11,138 Miles
	ADDITIONAL INFO: Ram 3500	

CLIENT	[REDACTED]	PHONE: [REDACTED]
	[REDACTED]	FAX: [REDACTED]
	[REDACTED]	ALT PHONE: [REDACTED]
	[REDACTED]	EMAIL: [REDACTED]
	[REDACTED]	

COMMENTS JOHN: We're still seeing a little fuel in the oil, but overall this is yet another good report for your ISB engine. Iron is up a little compared to last time, but you had a similar amount of iron back in 2013. We'd guess that's related to something operational. The fuel dilution hasn't hurt anything - maybe it's from idling or other low-rpm operation, but until or unless it starts causing wear, we don't really care about small amounts of fuel like this. No coolant or significant soot was found and air and oil filtration are excellent. Nice engine. You could try 12K-13K miles if you'd like.

ELEMENTS IN PARTS PER MILLION	Mi/HR on Oil	11,138	UNIT / LOCATION AVERAGES	9,851	8,373	3,948	8,309	UNIVERSAL AVERAGES
	Mi/HR on Unit	177,250		155,346	114,280	104,148	100,200	
	Sample Date	9/29/2017		5/2/2016	7/29/2013	2/23/2013	11/19/2012	
	Make Up Oil Added	0 qts		0 qts	0 qts		0 qts	
ALUMINUM	3	2	3	2	2	2	2	4
CHROMIUM	1	1	1	1	1	1	2	1
IRON	25	36	17	16	22	101		22
COPPER	2	2	1	2	1	3		4
LEAD	0	1	1	0	0	2		1
TIN	0	1	0	0	0	3		1
MOLYBDENUM	52	61	69	71	61	52		65
NICKEL	0	0	0	0	0	1		0
MANGANESE	0	0	0	0	0	1		0
SILVER	0	0	1	1	0	0		0
TITANIUM	0	0	0	0	0	0		1
POTASSIUM	4	3	4	6	1	0		4
BORON	58	42	39	39	53	23		173
SILICON	4	3	3	2	4	4		5
SODIUM	6	6	6	6	6	8		4
CALCIUM	1312	954	869	954	814	821		1666
MAGNESIUM	854	1169	1291	1423	1213	1064		510
PHOSPHORUS	1067	1085	1078	1276	1064	938		1078
ZINC	1288	1287	1322	1452	1222	1150		1271
BARIUM	0	0	0	0	0	0		0

Values Should Be*

PROPERTIES	75.0	66-78	74.3	71.5	73.2	74.8
SUS Viscosity @ 210°F	14.26	11.9-15.3	14.07	13.34	13.80	14.21
cSt Viscosity @ 100°C	410	>410	410	405	415	380
Flashpoint in °F	TR	<2.0	TR	0.5	<0.5	3.0
Fuel %	0.0	0.0	0.0	0.0	0.0	0.0
Antishea %	0.0	0.0	0.0	0.0	0.0	0.0
Water %	0.2	<0.6	0.2	0.2	0.3	0.4
Insolubles %						
TBN						
TAN						
ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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