



# OIL REPORT

LAB NUMBER: G83120  
 REPORT DATE: 6/16/2015  
 CODE: 20/75

UNIT ID: 08 CUMMINS  
 CLIENT ID:  
 PAYMENT:

<b>UNIT</b>	MAKE/MODEL: Cummins ISB 6.7L (Pickup)	OIL TYPE & GRADE: Valvoline Premium Blue 15W/40
	FUEL TYPE: Diesel	OIL USE INTERVAL: 7,358 Miles
	ADDITIONAL INFO: 2008	

<b>CLIENT</b>	CARBONITECUMMINS.COM	PHONE:
		FAX:
		ALT PHONE:
		EMAIL:

**COMMENTS** JOHN: The sodium last time had us a little concerned and that's still the case as it's actually a bit higher than last time. Potassium is still low and wear looks great, so we still can't call coolant for sure. If sodium does show coolant, it's a very small amount and not doing any harm at this point. In fact, wear is so low and steady, that barring anything unexpected, another 100,000 miles should be no problem. Of course, we'll continue to monitor sodium. The viscosity is a bit thin, but that's not harmful. Air and oil filtration are fine. Check back in 7,000-8,000 miles again.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	7,358	<b>UNIT / LOCATION AVERAGES</b>	8,014	6,709	7,555	7,822	8,062	<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	101,571		94,213	86,199	79,490	71,935	64,113	
	Sample Date	5/23/2015		8/3/2014	5/31/2014	8/12/2013	4/20/2013	8/29/2012	
	Make Up Oil Added	0 qts		0 qts	0 qts	0 qts	0 qts	0 qts	
ALUMINUM	3	4	3	4	5	5	6	3	
CHROMIUM	1	1	1	1	1	1	1	1	
IRON	14	30	15	18	21	20	16	24	
COPPER	3	7	1	3	4	5	3	8	
LEAD	1	2	1	2	2	2	2	1	
TIN	0	1	0	0	0	0	0	1	
MOLYBDENUM	53	45	49	45	60	52	43	34	
NICKEL	1	0	0	0	0	0	0	0	
MANGANESE	0	1	0	0	0	0	0	0	
SILVER	2	1	1	2	2	3	1	0	
TITANIUM	27	16	26	24	31	30	27	2	
POTASSIUM	10	9	5	7	9	6	13	7	
BORON	0	3	2	2	2	6	2	47	
SILICON	2	7	2	3	3	3	3	5	
SODIUM	19	9	17	8	11	6	6	6	
CALCIUM	1331	1197	1332	1265	1677	1421	1323	1637	
MAGNESIUM	1162	1025	1145	1126	1473	1211	1123	588	
PHOSPHORUS	1128	1110	1165	1170	1544	1318	1109	1025	
ZINC	1529	1341	1413	1391	1839	1543	1309	1208	
BARIUM	0	2	0	0	0	0	0	0	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	68.4	69-81	71.4	69.0	69.3	70.2	68.4
	cSt Viscosity @ 100°C	12.52	12.7-16.0	13.31	12.68	12.78	13.00	12.52
	Flashpoint in °F	420	>390	455	435	440	455	450
	Fuel %	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5
	Antifreeze %	?	0.0	?	0.0	0.0	0.0	0.0
	Water %	0.0	<0.1	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.2	<0.6	0.1	0.1	0.3	0.3	0.3
	TBN							
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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