



OIL REPORT

LAB NUMBER:
 REPORT DATE: 7/22/2014
 CODE:

UNIT ID: 08 CUMMINS
 CLIENT ID:
 PAYMENT:

UNIT	MAKE/MODEL: Cummins ISB 6.7L (Pickup)	OIL TYPE & GRADE: Valvoline Premium Blue 15W/40
	FUEL TYPE: Diesel	OIL USE INTERVAL: 6,709 Miles
	ADDITIONAL INFO: 2008	

CLIENT	CARBONITECUMMINS.COM	PHONE:
		FAX:
		ALT PHONE:
		EMAIL:

COMMENTS JOHN: Looking good, once again. Wear metals dropped slightly this time, probably thanks to the shorter oil run, and we don't see any mechanical issues or other problems based on this report. Just as a reminder, universal averages are based on ~6,600 miles of oil use, so you're getting generally lower levels of wear on a very similar (slightly longer) oil run. Insolubles show low oxidation and excellent oil filtration. Nothing to complain about here! Nice report. PS: We like your site, but can't buy the beer. How about a sample free sample instead. Thanks for your work.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	6,709	UNIT / LOCATION AVERAGES	7,555	7,822	8,062	7,455	3,428	UNIVERSAL AVERAGES
	MI/HR on Unit	86,199		79,490	71,935	64,113	56,051	48,596	
	Sample Date	05/31/14		08/12/13	04/20/13	08/29/12	04/06/12	11/26/11	
	Make Up Oil Added	0 qts		0 qts	0 qts	0 qts		0 qts	
ALUMINUM	4	4	5	5	6	5	6	3	
CHROMIUM	1	1	1	1	1	1	1	1	
IRON	18	33	21	20	16	16	15	24	
COPPER	3	8	4	5	3	3	3	7	
LEAD	2	2	2	2	2	2	2	1	
TIN	0	1	0	0	0	0	0	1	
MOLYBDENUM	45	43	60	52	43	45	47	34	
NICKEL	0	0	0	0	0	0	0	0	
MANGANESE	0	1	0	0	0	0	0	0	
SILVER	2	1	2	3	1	1	1	0	
TITANIUM	24	14	31	30	27	24	0	2	
POTASSIUM	7	9	9	6	13	9	15	7	
BORON	2	3	2	6	2	1	3	43	
SILICON	3	7	3	3	3	3	3	5	
SODIUM	8	8	11	6	6	6	6	6	
CALCIUM	1265	1171	1677	1421	1323	1274	1289	1614	
MAGNESIUM	1126	999	1473	1211	1123	1044	994	596	
PHOSPHORUS	1170	1103	1544	1318	1109	1131	1235	1026	
ZINC	1391	1315	1839	1543	1309	1316	1389	1203	
BARIUM	0	2	0	0	0	0	0	0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	69.0	69-78	69.3	70.2	68.4	69.9	69.5
	cSt Viscosity @ 100°C	12.68	12.7-15.3	12.78	13.00	12.52	12.94	12.83
	Flashpoint in °F	435	>390	440	455	450	440	430
	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	0.0	0.0
	Water %	0.0	<0.1	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.1	<0.6	0.3	0.3	0.3	0.3	0.2
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com