



# OIL REPORT

LAB NUMBER:  
 REPORT DATE: 6/1/2010  
 CODE:

UNIT ID: 08 CUMMINS  
 CLIENT ID:  
 PAYMENT:

UNIT	MAKE/MODEL: Cummins 6.7L	OIL TYPE & GRADE: Valvoline Premium Blue 15W/40
	FUEL TYPE: Diesel	OIL USE INTERVAL: 7,583 Miles
	ADDITIONAL INFO: 2008	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

**COMMENTS** JOHN: The viscosity is still reading low in the oil from your 6.7L, but the flash point is still good. Until we find a low flash point, which would indicate fuel in the oil, we will not worry about the viscosity, because it's working okay for your engine. Wear levels are reading around averages, and it's nice to see iron improve a little after a slightly longer oil run. We're also glad to see potassium drop down to virtually nothing, since that can show anti-freeze contamination. Insolubles were low at 0.3%, showing good oil filtration and complete combustion. Nice report at 22,140 miles.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	7,583	UNIT / LOCATION AVERAGES	7,076	4,896	2,585	UNIVERSAL AVERAGES
	MI/HR on Unit	22,140		14,557	7,481	2,585	
	Sample Date	05/23/10		01/01/10	07/11/09	04/25/09	
	Make Up Oil Added	0 qts		0 qts	0 qts	0 qts	
ALUMINUM	2	3	5	3	3	3	3
CHROMIUM	2	2	2	1	2	2	1
IRON	34	54	36	38	107	26	26
COPPER	3	15	5	6	44	8	8
LEAD	3	2	1	2	3	1	1
TIN	4	3	4	2	3	1	1
MOLYBDENUM	39	38	36	40	38	37	37
NICKEL	1	1	0	0	1	0	0
MANGANESE	1	2	1	1	6	0	0
SILVER	0	1	1	1	0	0	0
TITANIUM	0	0	0	0	0	0	0
POTASSIUM	1	10	21	5	12	7	7
BORON	3	4	3	3	5	60	60
SILICON	5	14	7	9	34	5	5
SODIUM	9	9	5	5	16	6	6
CALCIUM	849	966	904	1117	993	1534	1534
MAGNESIUM	993	841	680	859	833	486	486
PHOSPHORUS	1195	979	852	1042	827	938	938
ZINC	1324	1217	1059	1325	1159	1147	1147
BARIUM	0	5	0	2	18	0	0

Values Should Be\*

PROPERTIES	SUS Viscosity @ 210°F	59.2	69-78	55.2	62.9	58.6	
	cSt Viscosity @ 100°C	10.00	12.7-15.3	8.82	11.04	9.81	
	Flashpoint in °F	415	>390	385	390	350	
	Fuel %	<0.5	<2.0	0.5	TR	6.5	
	Antifreeze %	0.0	0.0	?	0.0	0.0	
	Water %	0.0	<0.1	0.0	0.0	0.0	
	Insolubles %	0.3	<0.8	0.3	0.4	0.2	
	TBN						
	TAN						
	ISO Code						

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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