



# OIL REPORT

LAB NUMBER: E17672  
 REPORT DATE: 6/25/2010  
 CODE: 22/121

UNIT ID: 09 KUBOTA L3940  
 CLIENT ID: 22771  
 PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Kubota V2003M	OIL TYPE & GRADE: Mobil 1 5W/40
	FUEL TYPE: Diesel	OIL USE INTERVAL: 32 Hours
	ADDITIONAL INFO:	

CLIENT	PHILIP SEARCY	PHONE: (317) 339-2796
	3615 S FRANKLIN RD	FAX:
	INDIANAPOLIS, IN 46239	ALT PHONE: (317) 862-3688
		EMAIL: philip.searcy@us.atlascopco.com

**COMMENTS**  
 PHILIP: The trace of fuel that we saw last time did not show up in this most recent report for your Kubota diesel engine. All wear metals are at very nice levels for this, just the second oil fill in your engine. The oil's viscosity is right on track for a 5W/40 diesel use oil, and no fuel dilution or coolant contamination was present in the sample. Insolubles at just a trace are not a concern, and reflect that the oil filter is doing its job nicely. Air filtration also looks good (silicon). The TBN was 10.7, showing plenty of active additive available for a longer oil run. Looks like you got a nice one!

ELEMENTS IN PARTS PER MILLION	MOBIL 1 TDT		FACTORY FILL		UNIVERSAL AVERAGES
	MI/HR on Oil	32	UNIT / LOCATION AVERAGES	18	
	MI/HR on Unit	50		18	
	Sample Date	06/20/10		10/03/09	
	Make Up Oil Added	0 qts		0 qts	
		5w40		10w30	
	ALUMINUM	3	4	2	4
	CHROMIUM	0	0	0	1
	IRON	5	10	7	14
	COPPER	3	9	7	4
	LEAD	0	2	2	2
	TIN	2	1	0	1
	MOLYBDENUM	1	10	9	4
	NICKEL	0	0	0	0
	MANGANESE	0	1	1	0
	SILVER	0	0	0	0
	TITANIUM	0	0	0	0
	POTASSIUM	3	4	2	2
	BORON	71	41	5	91
	SILICON	6	29	26	11
	SODIUM	3	5	3	18
	CALCIUM	1252	5469	4843	2654
	MAGNESIUM	683	415	73	298
	PHOSPHORUS	963	1566	1084	1046
	ZINC	1148	1901	1327	1263
	BARIUM	0	3	3	1

Values Should Be\*

PROPERTIES	SUS Viscosity @ 210°F	67.4	66-78	59.9
	cSt Viscosity @ 100°C	12.26	11.9-15.3	10.19
	Flashpoint in °F	420	>410	415
	Fuel %	<0.5	<2.0	TR
	Antifreeze %	0.0	0.0	0.0
	Water %	0.0	<0.1	0.0
	Insolubles %	TR	<0.8	0.1
	TBN	10.7		14.4
	TAN			
	ISO Code			

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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