



OIL REPORT

LAB NUMBER: E28613

UNIT ID: 05 PASSAT

REPORT DATE: 9/29/2010

CLIENT ID: 31322

CODE: 20/75

PAYMENT: CC: AmEx

UNIT

MAKE/MODEL: Volkswagen 2.0L Turbo (TDI)
FUEL TYPE: Diesel
ADDITIONAL INFO:

OIL TYPE & GRADE: Mobil 1 TDT 5W/40
OIL USE INTERVAL: 10,400 Miles

CLIENT

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COMMENTS

ANTHONY: We aren't sure what, if anything, has changed since February, but aluminum is looking much better in this latest analysis. All other wear metals looked good too, matching up nicely with averages. This is especially nice considering this was your longest oil run to date. The oil was in good shape physically, containing no moisture, fuel, or signs of coolant. The air and oil filters are working well too (see silicon and insolubles). As of 9-25-10, the sample date, we like the looks of your VW 2.0L and have no issues to report.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	10,400	UNIT / LOCATION AVERAGES	10,044	9,300	8,626			UNIVERSAL AVERAGES
	MI/HR on Unit	103,900				65,100			
	Sample Date	09/26/10		02/27/10	10/31/09	07/04/09			
	Make Up Oil Added	1 qt		1 qt	0.5 qt	0.25 qt			
ALUMINUM	11	27	21	20	57				6
CHROMIUM	1	1	1	1	1				1
IRON	22	34	27	32	55				39
COPPER	2	5	3	4	10				5
LEAD	1	2	2	2	4				4
TIN	0	1	2	1	0				1
MOLYBDENUM	1	3	1	2	7				8
NICKEL	1	5	3	4	10				2
MANGANESE	0	1	1	1	2				1
SILVER	0	0	0	0	0				0
TITANIUM	0	0	0	0	0				0
POTASSIUM	4	4	0	5	5				7
BORON	25	32	41	30	31				33
SILICON	4	16	8	8	45				5
SODIUM	4	5	3	5	9				7
CALCIUM	1608	1581	1765	1360	1590				1901
MAGNESIUM	796	857	932	911	790				232
PHOSPHORUS	1810	1568	1753	1583	1124				851
ZINC	1943	1810	2185	1746	1367				1019
BARIUM	0	0	0	0	0				0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	75.3	66-78	72.5	72.9	64.5		
	cSt Viscosity @ 100°C	14.32	11.9-15.3	13.62	13.72	11.46		
	Flashpoint in °F	440	>410	445	440	485		
	Fuel %	<0.5	<2.0	<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		
	Insolubles %	0.3	<0.8	0.3	0.3	0.4		
	TBN					4.2		
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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