



OIL REPORT

LAB NUMBER: D41239

UNIT ID: BLUE GOLF

REPORT DATE: 5/30/2008

CLIENT ID: 31407

CODE: 20/286

PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Volkswagen 1.9L Turbo (TDI)	OIL TYPE & GRADE: Mobil Delvac 1 5W/40
	FUEL TYPE: Diesel	OIL USE INTERVAL: 20,000 Miles
	ADDITIONAL INFO:	

CLIENT	ANUTHEE HUFFSTETTER	PHONE:
	1304 E 51ST ST.	FAX:
	AUSTIN, TX 78723	ALT PHONE:
		EMAIL: anuthee@gmail.com

COMMENTS	ANUTHEE: After 20,000 miles of oil use, your TDI is wearing better than most that we have seen recently. Our universal averages show what wear from the 1.9L VW diesel looks like after 7,700 miles of oil use. Your oil was in service for 20,000 miles when sampled and the wear metals we found were almost identical. Whatever your secret is, you could likely patent it! Silicon was a bit high indicating inadequate air filtration. The TBN was 3.5, showing some active additive left. 1.0 is low. Try another ~5K miles and then check back to see how things look. Overall, a nice report.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	20,000	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	117,000							
	Sample Date	05/23/08							
	Make Up Oil Added	1 qt							
	ALUMINUM	5	5						5
	CHROMIUM	3	3						2
	IRON	37	37						37
	COPPER	4	4						4
	LEAD	1	1						2
	TIN	1	1						1
	MOLYBDENUM	4	4						12
	NICKEL	2	2						1
	MANGANESE	1	1						1
	SILVER	0	0						0
	TITANIUM	0	0						0
	POTASSIUM	4	4						3
	BORON	25	25						30
	SILICON	12	12						5
	SODIUM	6	6						7
	CALCIUM	2770	2770						2596
	MAGNESIUM	536	536						178
	PHOSPHORUS	1195	1195						951
	ZINC	1498	1498						1134
	BARIUM	0	0						0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	75.2	67-78					
	cSt Viscosity @ 100°C	14.31	12.1-15.3					
	Flashpoint in °F	425	>415					
	Fuel %	<0.5	<2.0					
	Antifreeze %	0.0	0					
	Water %	0.0	0.0					
	Insolubles %	0.3	<0.8					
	TBN	3.5						
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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