



## OIL REPORT

LAB NUMBER: D49089

UNIT ID: BLUE GOLF

REPORT DATE: 8/15/2008

CLIENT ID: 31407

CODE: 20/286

PAYMENT: CC: Visa

**UNIT**

MAKE/MODEL: Volkswagen 1.9L Turbo (TDI)  
FUEL TYPE: Diesel  
ADDITIONAL INFO:

OIL TYPE & GRADE: Mobil Delvac 1 5W/40  
OIL USE INTERVAL: 30,000 Miles

**CLIENT**

ANUTHEE HUFFSTETTER  
214 FORD ST  
GOLDEN, CO 80403

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**COMMENTS**

ANUTHEE: This is the same oil we tested back in May but now it has 10,000 more miles of use. You can see that iron, from steel parts, has increased but that is typical since iron is one metal that tracks with miles of oil use. It hasn't reached a cautionary level yet so you could still keep this oil in use. The oil's viscosity was quite high due to length of use. It measured in the SAE 50W range. The TBN was 2.2, some life left. Silicon was steady. It's either from a silicone lube or a dirty air filter. Soot (unburned fuel) levels were high. Try another 5,000 miles and check back.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	30,000	UNIT / LOCATION AVERAGES	20,000					UNIVERSAL AVERAGES
	MI/HR on Unit	127,000		117,000					
	Sample Date	08/03/08		05/23/08					
	Make Up Oil Added	1 qt		1 qt					
	ALUMINUM	6		5					
	CHROMIUM	3		3					
	IRON	53		37					
	COPPER	5		4					
	LEAD	2		1					
ELEMENTS IN PARTS PER MILLION	TIN	1	UNIT / LOCATION AVERAGES	1					UNIVERSAL AVERAGES
	MOLYBDENUM	3		4					
	NICKEL	2		2					
	MANGANESE	1		1					
	SILVER	0		0					
	TITANIUM	0		0					
	POTASSIUM	4		4					
	BORON	19		25					
	SILICON	12		12					
	SODIUM	10		6					
	CALCIUM	2694		2770					
	MAGNESIUM	566		536					
	PHOSPHORUS	1252		1195					
	ZINC	1615		1498					
	BARIUM	0		0					

Values  
Should Be\*

PROPERTIES	SUS Viscosity @ 210°F	92.5	67-78	75.2				
	cSt Viscosity @ 100°C	18.58	12.1-15.3	14.31				
	Flashpoint in °F	475	>415	425				
	Fuel %	<0.5	<2.0	<0.5				
	Antifreeze %	0.0	0	0.0				
	Water %	0.0	0.0	0.0				
	Insolubles %	0.4	<0.8	0.3				
	TBN	2.2		3.5				
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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