



# OIL REPORT

LAB NUMBER: F47362  
 REPORT DATE: 3/28/2013  
 CODE: 44/75

UNIT ID: 03 GOLF  
 CLIENT ID: 47114  
 PAYMENT: Prepaid

<b>UNIT</b>	MAKE/MODEL: Volkswagen 1.9L Turbo (TDI)	OIL TYPE & GRADE: Mobil 1 5W/40 Turbo Diesel Truck
	FUEL TYPE: Diesel	OIL USE INTERVAL: 14,750 Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

**COMMENTS** BRIAN: Wow, we are impressed with this engine. You've run this oil nearly 15,000 miles, and the engine looks every bit as good as it did when you ran 10,000 miles back in 2011. Wear trends are very steady, so if you want to push the next sample a little farther, we think that would be fine. You took care of the high silicon from last time, so dirt is not a problem. Was it a dirty air filter? Oil filtration is excellent and the oil is not getting too oxidized, as you can see from the low insolubles. No fuel or moisture found. This Golf is still going strong. Try 18,000 miles next time.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	14,750	<b>UNIT / LOCATION AVERAGES</b>	10,000	10,000	<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	169,450		150,000	130,000	
	Sample Date	03/01/13		03/06/12	03/15/11	
	Make Up Oil Added	1 qt		0.75 qt		
ALUMINUM	3	3	2	3	5	
CHROMIUM	1	1	1	1	2	
IRON	22	18	12	19	38	
COPPER	4	2	1	2	3	
LEAD	1	1	1	0	2	
TIN	1	0	0	0	1	
MOLYBDENUM	1	2	1	3	22	
NICKEL	0	0	0	0	1	
MANGANESE	0	0	0	0	1	
SILVER	0	0	1	0	0	
TITANIUM	0	0	0	0	0	
POTASSIUM	1	3	0	7	4	
BORON	54	48	50	39	34	
SILICON	8	10	18	3	5	
SODIUM	1	5	0	15	7	
CALCIUM	2723	2776	2661	2943	2055	
MAGNESIUM	703	595	643	439	340	
PHOSPHORUS	1349	1293	1285	1245	949	
ZINC	1634	1454	1375	1353	1127	
BARIUM	0	0	0	0	0	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	75.0	66-78	73.9	70.6
	cSt Viscosity @ 100°C	14.25	11.9-15.3	13.97	13.10
Flashpoint in °F	435	>410	420	425	
Fuel %	<0.5	<2.0	<0.5	<0.5	
Antifreeze %	0.0	0.0	0.0	0.0	
Water %	0.0	<0.1	0.0	0.0	
Insolubles %	0.2	<0.8	0.3	0.3	
TBN					
TAN					
ISO Code					

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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