

OIL REPORT

LAB NUMBER: F65298 **REPORT DATE:** 7/23/2013

UNIT ID: 2000 TDI
CLIENT ID: 60887
PAYMENT: No Charge

LN

CLIENT

MAKE/MODEL: Volkswagen 1.9L Turbo (TDI)

Diesel

ADDITIONAL INFO: ALH

OIL TYPE & GRADE: Shell Rotella T6 5W/40

OIL USE INTERVAL: 7,710 Miles

FREDERICK H BRITTAIN

325 E 2550 N #103

FUEL TYPE:

NORTH OGDEN, UT 84414

PHONE: (435) 210-1011

CODE: 63/501

FAX:

ALT PHONE:

EMAIL: slickrock_rider@yahoo.com

OMMENTS

FREDERICK: Amended report to correct engine type and add TBN. Wear looks just fine in this sample. Universal averages show typical wear levels for this type of engine after about 8,200 miles on the oil. You ran 7,710 miles and your wear is around average, so we see no problems here. We're not sure what you're looking for but these metals are nicely balanced and show no obvious problems in the engine. The viscosity read in the upper range for a 5W/40. No fuel, coolant, or moisture found. The TBN read 6.7, plenty of active additive remaining.

	MI/HR on Oil	7,710	UNIT /				
MILLION	MI/HR on Unit	95,210	LOCATION AVERAGES				UNIVERSAL AVERAGES
	Sample Date	07/10/13					
	Make Up Oil Added	0.5 qts					
	ALUMINUM	4	4				5
	CHROMIUM	2	2				2
	IRON	38	38				39
	COPPER	5	5				3
띪	LEAD	1	1				2
Д	TIN	0	0				1
LS.	MOLYBDENUM	65	65				22
3	NICKEL	3	3				1
PA	MANGANESE	1	1				1
Z	SILVER	1	1				0
S	TITANIUM	0	0				0
Η̈́	POTASSIUM	0	0				4
EN	BORON	35	35				34
≥	SILICON	6	6				5
ELEM	SODIUM	6	6				7
-	CALCIUM	941	941				2045
	MAGNESIUM	1355	1355				347
	PHOSPHORUS	1198	1198	 			952
	ZINC	1368	1368				1131
	BARIUM	0	0				0

Values

Should Be*

SUS Viscosity @ 21	0°F 80.7	66-78			
cSt Viscosity @ 100	°C 15.70	11.9-15.3			
Flashpoint in °F	440	>410			
Fuel %	<0.5	<2.0			
Antifreeze %	0.0	0.0			
Water %	0.0	<0.1			
Insolubles %	0.4	<0.8			
TBN	6.7	>1.0			
TAN					·
ISO Code					

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE