



OIL REPORT

LAB NUMBER:
 REPORT DATE: 2/25/2010
 CODE:

UNIT ID: 06 JETTA
 CLIENT ID:
 PAYMENT:

UNIT	MAKE/MODEL: Volkswagen 1.9L Turbo (TDI)	OIL TYPE & GRADE: Pennzoil High Perform II 505.01 5W/
	FUEL TYPE: Diesel	OIL USE INTERVAL: 9,434 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS
 Aluminum improved nicely here but we found a slight increase in lead. We had hoped that this was due to a particle streak running through the bearings but it looks like it's from a little excess wear there. This level isn't all that problematic and we don't think it should keep you from running this oil a little longer. Try putting another 1,000-2,000 miles on this fill. As long as lead doesn't increase too much next time we'll suggest going longer, assuming that all other wear looks good. The TBN read 4.2 so you still have plenty of active additive left. 1.0 is too low.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	9,434	UNIT / LOCATION AVERAGES	9,434	9,442	UNIVERSAL AVERAGES
	MI/HR on Unit	68,602		58,295	48,407	
	Sample Date	02/13/10		04/24/09	10/03/08	
	Make Up Oil Added	0 qts		0.5 litre	0.5 litre	
ALUMINUM	8	10	13	9	5	
CHROMIUM	2	2	2	2	2	
IRON	40	34	31	32	37	
COPPER	4	4	4	3	4	
LEAD	7	5	6	3	2	
TIN	0	0	1	0	1	
MOLYBDENUM	0	1	2	1	15	
NICKEL	1	1	1	0	1	
MANGANESE	1	1	1	1	1	
SILVER	0	0	0	0	0	
TITANIUM	0	0	0	0	0	
POTASSIUM	4	9	11	11	4	
BORON	43	18	4	7	31	
SILICON	3	3	3	3	5	
SODIUM	2	2	3	1	7	
CALCIUM	1814	1747	1583	1844	2322	
MAGNESIUM	10	10	10	11	201	
PHOSPHORUS	731	686	619	707	926	
ZINC	867	824	773	831	1113	
BARIUM	0	0	0	0	0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	64.7	66-78	63.6	63.8
	cSt Viscosity @ 100°C	11.52	11.9-15.3	11.23	11.29
	Flashpoint in °F	415	>410	435	445
	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 %	0.3	<0.8	0.2	0.3
	TBN	4.2		3.2	4.3
	TAN				
	ISO Code				

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com