



OIL REPORT

LAB NUMBER: G38067

UNIT ID: 06.5 JETTA

REPORT DATE: 10/9/2014

CLIENT ID: 76933

CODE: 44/75

PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Volkswagen 1.9L Turbo (TDI)	OIL TYPE & GRADE: Liqui Moly 5W/40
	FUEL TYPE: Diesel	OIL USE INTERVAL: 13,000 Miles
	ADDITIONAL INFO:	

CLIENT	
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COMMENTS BOB: We've seen this engine type do well with 13,000 miles on the oil before, so we're not sure that the longer oil run is the problem here. Iron and lead are a bit high and they can show wear at steel parts (shafts, cylinders, valve train components) and lead is from bearings. This engine does have some trouble with the cam lobes wearing out prematurely. It's a little too early to call that here, but it's a possibility worth considering, especially if you're noticing the engine's not as powerful as it once was. Averages are based on 8,000 miles. Try that interval for next time.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	13,000	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	133,000						
	Sample Date	10/06/14						
	Make Up Oil Added							
ALUMINUM	8	8					5	
CHROMIUM	3	3					2	
IRON	124	124					39	
COPPER	4	4					3	
LEAD	6	6					2	
TIN	4	4					1	
MOLYBDENUM	1	1					23	
NICKEL	1	1					1	
MANGANESE	2	2					1	
SILVER	0	0					0	
TITANIUM	0	0					0	
POTASSIUM	4	4					4	
BORON	30	30					35	
SILICON	10	10					5	
SODIUM	2	2					7	
CALCIUM	3076	3076					1996	
MAGNESIUM	11	11					371	
PHOSPHORUS	1115	1115					954	
ZINC	1293	1293					1131	
BARIUM	0	0					0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	70.5	66-78				
	cSt Viscosity @ 100°C	13.09	11.9-15.3				
	Flashpoint in °F	425	>410				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	<0.1				
	Insolubles %	0.5	<0.8				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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