



OIL REPORT

LAB NUMBER: H67498
 REPORT DATE: 8/1/2016
 CODE: 63/685

UNIT ID: 3VWML7AJBEM60921
 CLIENT ID: 88521
 PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Volkswagen 2.0L TDI 09-14 Jetta/Golf	OIL TYPE & GRADE: Castrol Edge Professional LL03 504-5
	FUEL TYPE: Diesel	OIL USE INTERVAL: Miles
	ADDITIONAL INFO: 2014 Jetta Sportwagen	

CLIENT	RAY ROMANO	PHONE: (210) 602-0622
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	SAN ANTONIO, TX 78209	ALT PHONE:
		EMAIL: ray@apveltman.com

COMMENTS RAY: Aluminum and potassium dropped from last time, and it looks like this run was about the same number of miles, so we're pretty content with these results. As we mentioned last time, those two together usually are from the emissions system, and with other metals in good shape, we'd have to say this engine looks healthy from here. We did find a little fuel in the oil, but at 0.5% it could be from cold sampling or short trips and is harmless. The TBN showed a little room for more miles, so try 12,000 miles next and check back to see the results.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil		UNIT / LOCATION AVERAGES	9,994					
	MI/HR on Unit	39,981		29,936					UNIVERSAL AVERAGES
	Sample Date	4/7/2016		9/30/2015					
	Make Up Oil Added	0 qts		0 qts					
ALUMINUM	27	31	34					17	
CHROMIUM	2	2	2					2	
IRON	43	44	45					45	
COPPER	9	10	11					8	
LEAD	0	1	1					0	
TIN	0	0	0					1	
MOLYBDENUM	3	4	4					17	
NICKEL	0	1	1					1	
MANGANESE	1	1	1					1	
SILVER	0	0	0					0	
TITANIUM	1	1	1					1	
POTASSIUM	54	68	82					31	
BORON	1	3	5					21	
SILICON	5	6	6					5	
SODIUM	6	6	5					4	
CALCIUM	1251	1370	1488					1551	
MAGNESIUM	5	6	6					40	
PHOSPHORUS	577	636	694					724	
ZINC	720	843	965					860	
BARIUM	0	0	0					0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	62.9	57-65	63.9				
	cSt Viscosity @ 100°C	11.02	9.4-11.9	11.32				
	Flashpoint in °F	405	>410	415				
	Fuel %	0.5	<2.0	<0.5				
	Antifreeze %	0.0	0.0	0.0				
	Water %	0.0	<0.1	0.0				
	Insolubles %	0.2	<0.6	0.2				
	TBN	1.6	>1.0	2.2				
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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