



OIL REPORT

LAB NUMBER: J36674
 REPORT DATE: 6/8/2017
 CODE: 44/133

UNIT ID: 06.5 JETTA
 CLIENT ID: ~~XXXX~~
 PAYMENT: CC: Visa (Bulk)

UNIT	MAKE/MODEL: Volkswagen 1.9L Turbo (TDI)	OIL TYPE & GRADE: Liqui Moly 5W/40
	FUEL TYPE: Diesel	OIL USE INTERVAL: 12,000 Miles
	ADDITIONAL INFO:	

CLIENT	ROBERT MISKIMEN JR.	PHONE: XXXXXXXXXX
	6032 BRADDOCK RD	FAX:
	INDIANAPOLIS, IN 46226	ALT PHONE:
		EMAIL: robert.miskimen@go.com

COMMENTS BOB: The latest sample from your Jetta features some interesting trends. Lead has continued to drop, which is great news for the bearings. Oddly enough, aluminum is headed the other direction, and the up tick in piston wear has us a little concerned. Was there a change in use, or driving conditions? Aluminum tends to read higher than average in your samples, but 21 ppm is still a change from past trends. The oil was in good shape physically - no fuel or excess dirt was found. Low sodium/potassium rule out a coolant leak. Check back in ~8,000 miles.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	12,000	UNIT / LOCATION AVERAGES	10,000	10,500	10,800	15,500	13,000	UNIVERSAL AVERAGES
	MI/HR on Unit	190,250		177,777	167,854	157,350	146,107	133,000	
	Sample Date	5/25/2017		10/15/2016	4/5/2016	11/11/2015	7/2/2015	10/6/2014	
	Make Up Oil Added	0 qts		0.5 qts	0 qts		0.3 qts		
ALUMINUM	21	12	13	14	9	12	8	5	
CHROMIUM	2	2	1	1	2	4	3	2	
IRON	44	78	39	42	62	203	124	39	
COPPER	5	4	4	4	4	5	4	3	
LEAD	6	9	8	15	20	7	6	2	
TIN	1	3	2	0	4	10	4	1	
MOLYBDENUM	24	13	7	38	3	6	1	25	
NICKEL	1	1	1	1	1	2	1	1	
MANGANESE	2	3	2	2	1	12	2	1	
SILVER	0	0	0	0	0	0	0	0	
TITANIUM	1	0	1	0	0	0	0	0	
POTASSIUM	7	6	5	4	6	13	4	4	
BORON	11	23	3	13	35	49	30	36	
SILICON	6	6	4	6	6	8	10	5	
SODIUM	4	4	3	5	4	4	2	7	
CALCIUM	3013	2753	3384	3564	1799	2350	3076	1956	
MAGNESIUM	16	13	12	15	12	14	11	392	
PHOSPHORUS	929	976	882	1143	1052	934	1115	955	
ZINC	1039	1130	1083	1355	1133	1131	1293	1133	
BARIUM	0	0	0	0	0	0	0	0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	69.9	66-78	74.0	70.4	73.6	71.4	70.5
	cSt Viscosity @ 100°C	12.93	11.9-15.3	14.00	13.06	13.89	13.33	13.09
	Flashpoint in °F	420	>410	415	445	445	440	425
	Fuel %	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5
	Antifreeze %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.4	<0.6	0.4	0.3	0.3	0.4	0.5
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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