



Lubricant Analysis Report

North America: +1-877-808-3750
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0	1	2	3	4
NORMAL		ABNORMAL		CRITICAL

Overall report severity based on comments.

Account Information	Component Information	Sample Information
Account Number: 122750-0001-0000 Company Name: ARCH OIL COMMENTS Contact: Address: Phone Number:	Component ID: #4844 - SEAT (2) Secondary ID: SEAT LEON 1.4 TSI 92 KW Component Type: UNLEADED GASOLINE ENGINE Manufacturer: SEAT Model: LEON Application: AUTOMOTIVE Sump Capacity: 4 L	Tracking Number: 00009609603 Lab Number: Z-168992 Lab Location: Poznan Data Analyst: CMD Sampled: 05-Dec-2020 Received: 21-Dec-2020 Completed: 29-Dec-2020
Filter Information	Miscellaneous Information	Product Information
Filter Type: Information Requested Micron Rating: 0		Product Manufacturer: VAPSOIL GMBH Product Name: Viscosity Grade: SAE 5W30
Comments	LUBRICANT and FILTER CHANGE is suggested if not done at sampling time. Suggest monitoring the drain interval and equipment operating temperature. Base Number is SIGNIFICANTLY LOW. Lubricant's ability to neutralize acids may be diminished. Acid Number is SLIGHTLY HIGH, which may be due to oxidation, contamination with an acidic product, extended drain interval, or lubricant mixing. In order to evaluate OXIDATION and NITRATION, please provide lubricant manufacturer and product name; Please submit a new (unused) sample of this fluid for BASELINE REFERENCE. Please provide missing FLUID PRODUCT NAME to compare data to the correct standards.	

	Wear Metals (ppm)										Contaminant Metals (ppm)			Multi-Source Metals (ppm)						Additive Metals (ppm)				
Sample #	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
1	13	1	0	5	2	0	0	0	0	0	17	6	5	0	0	0	0	0	104	11	1699	0	621	810

Sample Information								Contaminants			Fluid Properties					
Sample #	Date Sampled	Date Received	Lube Time	Unit Time	Lube Change	Lube Added	Filter Change	Fuel Dilution	Soot	Water	Viscosity 40°C	Viscosity 100 °C	Acid Number	Base No. D4739	Oxidation	Nitration
			km	km		L		% Vol	% Vol	% Vol	cSt	cSt	mg KOH/g	mg KOH/g	abs/cm	abs/0.1 mm
1	05-Dec-2020	21-Dec-2020	26238	144779	No	0	Unk	<1 - Estimate	<.1	<.1 - FTIR	73.2	12.4	4.13	1.48	33	21

Particle Count (particles/mL)											Additional Testing	
Sample #	ISO Code										Viscosity Index	
	Based On 4/6/14	> 4 µm	> 6 µm	> 10 µm	> 14 µm	> 21 µm	> 38 µm	> 70 µm	> 100 µm	Test Method	Index Number	
1	//										169	

Comments are advisory only and are based on the assumption that the sample and data submitted are valid. Results relate only to the items tested. Missing fluid or component information limits the evaluation. No warranty is expressed or implied. Measurement uncertainty available upon request.

Historical
Comments