



Lubricant Analysis Report

North America: +1-877-808-3750

Latin America: +1-317-808-3750 / +502-3093-6466 (WhatsApp)

Europe: +1-317-808-3750

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: # 5870 Secondary ID: Component Type: UNLEADED GASOLINE ENGINE Manufacturer: SEAT Model: LEON Application: AUTOMOTIVE Sump Capacity: 4 L		Tracking Number: 00009676680 Lab Number: Z-213400 Lab Location: Poznan Data Analyst: EAD Sampled: 11-Sep-2021 Received: 24-Sep-2021 Completed: 29-Sep-2021	
Filter Information		Miscellaneous Information		Product Information	
Filter Type: Information Requested Micron Rating: 0				Product Manufacturer: VAPSOIL GMBH Product Name: Viscosity Grade: SAE 0W30	
Comments	Check air induction system (filters, housings, air intake, etc.) for source of abrasives (dirt). Abrasives are at a SEVERE LEVEL: Suggest flushing system; OXIDATION is at a SEVERE level. Drain interval may be over-extended or unit may be running too hot. Elevated Oxidation causes acid by-products, deposits, and sludge, and can increase viscosity and wear. Base Number is MODERATELY LOW. As Base Number depletes, the ability to neutralize acids is diminished. Acid Number is SLIGHTLY HIGH, which may be due to oxidation, contamination with an acidic product, extended drain interval, or lubricant mixing. Potassium is at a MINOR LEVEL; Viscosity is SLIGHTLY HIGH. Causes include contamination, oxidation, incorrectly identified viscosity grade, or adding a different viscosity grade to the component. We acknowledge the FLUID INFORMATION was provided, however we were not able to validate it within our database or from the fluid manufacturer. Please contact the Data Analysis Department to clarify the information. Thank you. Resample at half interval.				

	Wear Metals (ppm)										Contaminant			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	15	0	1	5	2	0	1	0	0	0	891	6	22	0	1	0	0	0	160	8	1673	0	656	864	

Sample #	Sample Information							Contaminants			Fluid Properties					
	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		gal		%	%	%	cSt	cSt	mg KOH / g	mg KOH / g	abs / cm	abs / 0.1mm
1	11-Sep-2021	24-Sep-2021	26085	174345	No	0	No	<1 - Estimate	<.1	<.1 - FTIR	71.8	12.7	4.76	1.62	30	19

Sample #	Particle Count (particles/mL)										Additional Testing					
	ISO Code	> 4	> 6	> 10	> 14	> 21	> 38	> 70	> 100	Test Method	Viscosity Index					
	Based On 4/6/14	particles / mL	particles / mL	particles / mL	particles / mL	particles / mL	particles / mL	particles / mL	particles / mL		Index Number					
1	/ /										178					

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.