

# 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: #5052-P Secondary ID: Component Type: UNLEADED GASOLINE ENGINE Manufacturer: OPEL Model: MARIVA Application: POWER GENERATION Sump Capacity:	Tracking Number: 00009607290 Lab Number: Z-173846 Lab Location: Poznan Data Analyst: JPH Sampled: 2021 Received: 25-Jan-2021 Completed: 29-Jan-2021
Filter Information	Miscellaneous Information	Product Information
Filter Type: <a href="#">Information Requested</a> Micron Rating: 0	Wildcard 1: RAVENOL VSE 0W-20 + Wildcard 2: + RAVENOL RACING 4T 10W-40	Product Manufacturer: RAVENOL Product Name: Viscosity Grade: <a href="#">Information Requested</a>
Comments	LUBRICANT CHANGE is suggested if not done at sampling time. OXIDATION is at a SIGNIFICANT level. Drain interval may be over-extended, or unit may be running too hot. Nickel is at a MODERATE LEVEL; Possible valve train (valves, stems, guides etc.) metal; Please provide missing FLUID PRODUCT NAME to compare data to the correct standards. Please provide missing FLUID VISCOSITY GRADE to compare data to the correct standards. Please provide this units sump capacity with next sample. Flagged data has been rechecked and confirmed. Your note was taken into consideration. Resample at half interval.	

	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	5	0	4	1	1	0	0	0	0	0	11	2	0	0	73	0	0	0	55	14	1986	0	751	831

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		gal		% Vol	% Vol	% Vol	cSt	cSt	mg KOH/g	mg KOH/g	abs/cm	abs/0.1 mm
1	N/A	25-Jan-2021	10	126045	Unk	0	Unk	0.8 - GC	<.1	<.1 - FTIR	57.0	10.3	2.04	6.49	28	7

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	//										171

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