



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: # GASOLINE ENGINE BMW 1600 GT Secondary ID: # 6023 Component Type: UNLEADED GASOLINE ENGINE Manufacturer: BMW Model: K1600GT Application: AUTOMOTIVE Sump Capacity:		Tracking Number: 00009723559 Lab Number: Z-303640 Lab Location: Poznan Data Analyst: RMF Sampled: 17-Sep-2022 Received: 09-Feb-2023 Completed: 13-Feb-2023	
Filter Information		Miscellaneous Information		Product Information	
Filter Type: Information Requested Micron Rating: 0				Product Manufacturer: SILKOLENE Product Name: Information Requested Viscosity Grade: SAE 10W40	
Comments	Flagged data does not indicate an immediate need for maintenance action. Continue to observe the trend and monitor equipment and fluid conditions. Viscosity is MODERATELY LOW. Causes include contamination, incorrectly identified viscosity grade, or adding a different viscosity grade to the component. Lube oxidation may be increasing; 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. Lubricant change acknowledged.				

Sample #	Wear Metals (ppm)										Contaminant Metals (ppm)			Multi-Source Metals (ppm)						Additive Metals (ppm)				
	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	11	0	0	4	2	0	1	0	0	0	4	8	1531	0	35	0	0	0	1279	9	2017	0	822	929

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
			mi	mi		gal		%	%	%	cSt	cSt	mg KOH / g	mg KOH / g	abs / cm	abs / 0.1mm
1	17-Sep-2022	09-Feb-2023	2792	22321	Yes	0	No	1.4 - GC	<.1	<.1 - FTIR		11.2		8.43	22	6

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

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.