

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: # 5909 Secondary ID: Component Type: DIESEL ENGINE Manufacturer: MERCEDES BENZ Model: Information Requested Application: AUTOMOTIVE Sump Capacity: 6 L		Tracking Number: 00009676675 Lab Number: Z-213409 Lab Location: Poznan Data Analyst: JPH Sampled: 14-Sep-2021 Received: 24-Sep-2021 Completed: 30-Sep-2021	
Filter Information		Miscellaneous Information		Product Information	
Filter Type: Information Requested Micron Rating: 0		Wildcard 1: + 2,5L RAVENOL EURO VI TRUCK Wildcard 2: 10W40		Product Manufacturer: MEGUIN Product Name: MEGOL LOW EMISSION Viscosity Grade: SAE 5W40	
Comments	Flagged data does not indicate an immediate need for maintenance action. Continue to observe the trend and monitor equipment and fluid conditions. LEAD is at a MODERATE LEVEL and may be OVERLAY METAL from MAIN/ROD BEARINGS; FUEL DILUTION has caused viscosity to decrease moderately; FUEL DILUTION is at a MINOR LEVEL. FUEL DILUTION possibly caused by excessive idling; Please provide COMPONENT MODEL number to compare data to the correct standards for this component. Lubricant and filter change acknowledged. Your note was taken into consideration.				

	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	26	1	1	6	4	7	0	0	0	0	14	3	2	0	46	0	0	0	156	118	1838	0	728	814

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		%	%	%	cSt	cSt	mg KOH / g	mg KOH / g	abs / cm	abs / 0.1mm
1	14-Sep-2021	24-Sep-2021	11200	121600	Yes	0	Yes	2.2 - GC	0.3 - E2412	<.1 - FTIR		11.0	2.56	5.16	11	9

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

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.