

# 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: # 5743-XC90 Secondary ID: Component Type: DIESEL ENGINE Manufacturer: VOLVO Model: XC90 Application: AUTOMOTIVE Sump Capacity: 5 L	Tracking Number: 00009669768 Lab Number: Z-201548 Lab Location: Poznan Data Analyst: EAD Sampled: 04-Jun-2021 Received: <b>14-Jul-2021</b> Completed: 15-Jul-2021
Filter Information	Miscellaneous Information	Product Information
Filter Type: FULLFLOW Micron Rating: 0	Wildcard 1: + AMSOIL MAX DUTY DIESEL 15W40 Wildcard 2: 0,97L Wildcard 3: +OCD HEX BORNITRID-ADD 0,25L	Product Manufacturer: RAVENOL Product Name: NDT Viscosity Grade: SAE 5W40
Comments	Check air induction system (filters, housings, air intake, etc.) for source of abrasives (dirt). Abrasives are at a SEVERE LEVEL: Water is at a MINOR LEVEL. Water may be present due to COLD UNIT sampling; Lubricant and filter change acknowledged. 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	10	1	2	2	1	1	1	0	0	0	915	4	0	0	34	0	0	0	772	805	1056	0	891	1093

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
			mo	km		gal		%	%	%	cSt	cSt	mg KOH/g	mg KOH/g	abs/cm	abs/0.1 mm
1	04-Jun-2021	14-Jul-2021	5	204850	Yes	0	Yes	<2 - Estimate	0.2 - E2412	0.1 - Hotplate	78.2	13.0		6.67	19	11

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

Historical  
Comments