CONSTRUCTION EQUIPMENT 554307 APTIM VOLVO A35G 340236 - REAR AXLE



Sample No: VCP424154

VOLVO

Oil Type:	VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:	554307 APTIM

SAMPLE INFORMATION

	E INFORMATION					
Sample Number		VCP424154	VCP354035			
Sample Date		25 May 2023	31 Aug 2022			
Machine Hours		6888	5673			
Oil Hours		4000	1600			
Oil Changed		Changed	Not Changd			
Sample Status		SEVERE	ABNORMAL			
OIL CON	DITION					
Visc @ 40°C	cSt	▲ 52.0	▲ 52.8			
VOLVO						
CONTAN	MINATION					
Water	%	0.428				
Silicon	ppm	🛑 339	4			
Sodium	ppm	2	<1			
Potassium	ppm	12	1			
WEAR METALS						
Iron	ppm	4 1687	172			
Copper	ppm	43	7			
Lead	ppm	0	0			
Tin	ppm	0	0			
Aluminum	ppm	A 284	 < 1			
Chromium	ppm	1 3	2			
Molybdenum	ppm	2	3			
Nickel	ppm	<mark>▲</mark> 11	0			
Titanium	ppm	<u> </u>	0			
Silver	ppm	0	0			
Manganese	ppm	21	9			
Vanadium	ppm	0	0			
VOLVO						

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Calcium	ppm	42	47	
Magnesium	ppm	1 3	□1	
Zinc	ppm	33	37	
Phosphorus	ppm	2089	2675	
Barium	ppm	0	2	
Boron	ppm	54	173	



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC 8418 PALM RIVER ROAD TAMPA, FL

US 33619 Contact: JOHN FARDELLA JFARDELLA@ALTAEQUIPFL.COM T: (813)630-0077 F: (813)630-2233

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted.Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a moderate concentration of water present in the oil. There is a high amount of visible silt present in the sample. The oil viscosity is lower than normal. Confirm oil type.

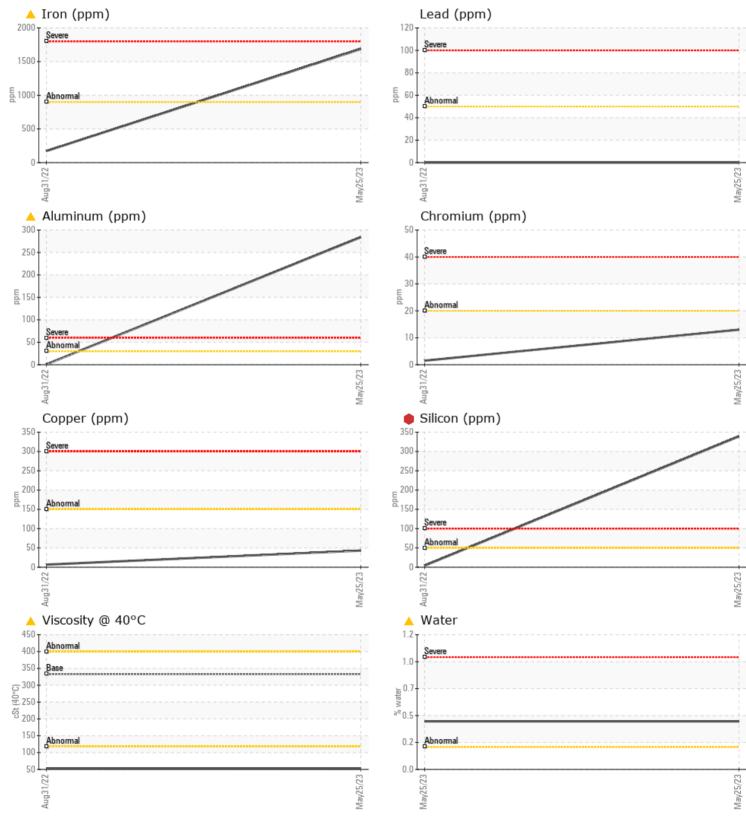
Depot:	VOLVO0093
Unique No:	10526257
Signed:	Doug Bogart
Report Date:	29 Jun 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO0093 [WUSCAR] 05881154 (Generated: 06/29/2023 21:18:06) Rev: 1

Contact/Location: JOHN FARDELLA - VOLVO0093