

## CONSTRUCTION EQUIPMENT VOLVO A25G 752598 - DIESEL ENGINE



Sample No: VCP419487

Oil Type: VOLVO ULTR

Job No:

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

Barium

Boron

	INFORMATION			 
		VCP419487	VCP403701	 
Sample Number				
Sample Date Machine Hours		26 May 2023 528	08 May 2023 497	 
Oil Hours		0	0	 
Oil Changed			Not Changd	 
-		Changed ABNORMAL	ABNORMAL	 
Sample Status		ADINORIVIAL	ADINORIVIAL	 
VOLVO				
V OIL CON	DITION			
Visc @ 100°C	cSt	<b>11.0</b>	<b>1</b> 0.8	 
Base Number (BN	J) mg KOH/g	7.3	6.5	 
Oxidation (PA)	%	61	60	 
	INATION			 
	-			
Soot %	%	0.2	0.1	 
Nitration (PA)	%	76	81	 
Sulfation (PA)	%	54	53	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	0.4	 
Silicon	ppm	<u> </u>	▲ 57	 
Sodium	ppm	3	3	 
Potassium	ppm	2	3	 
VOLVO				
🤍 WEAR M	IETALS			
Iron	ppm	17	19	 
Copper	ppm	<b>423</b>	454	 
Lead	ppm	4	6	 
Tin	ppm	2	2	 
Aluminum	ppm	2	5	 
Chromium	ppm		□ <1	 
Molybdenum	ppm	80	83	 
Nickel	ppm	<b>■</b> <1	<b></b> <1	 
Titanium	ppm	_ <1	<1	 
Silver	ppm	<b></b> <1	1	 
Manganese	ppm	4	5	 
Vanadium	ppm	0	0	 
VOLVO	IES			
V ADDITIV				
Calcium	ppm	2132	2203	 
Magnesium	ppm	85	12	 
Zinc	ppm	<b>1202</b>	1226	 
Phosphorus	ppm	<b>1012</b>	995	 
D				

0

**4**3



## ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com T: F: (239)481-3302

## Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in. Elemental level of silicon (Si) above normal indicating ingress of seal material. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

 Depot:
 VOLVO0090

 Unique No:
 10496190

 Signed:
 Don Baldridge

 Report Date:
 02 Jun 2023

Report Id: VOLVO0090 [WUSCAR] 05861725 (Generated: 11/13/2023 13:15:22) Rev: 1

0 🔲

49

ppm

ppm

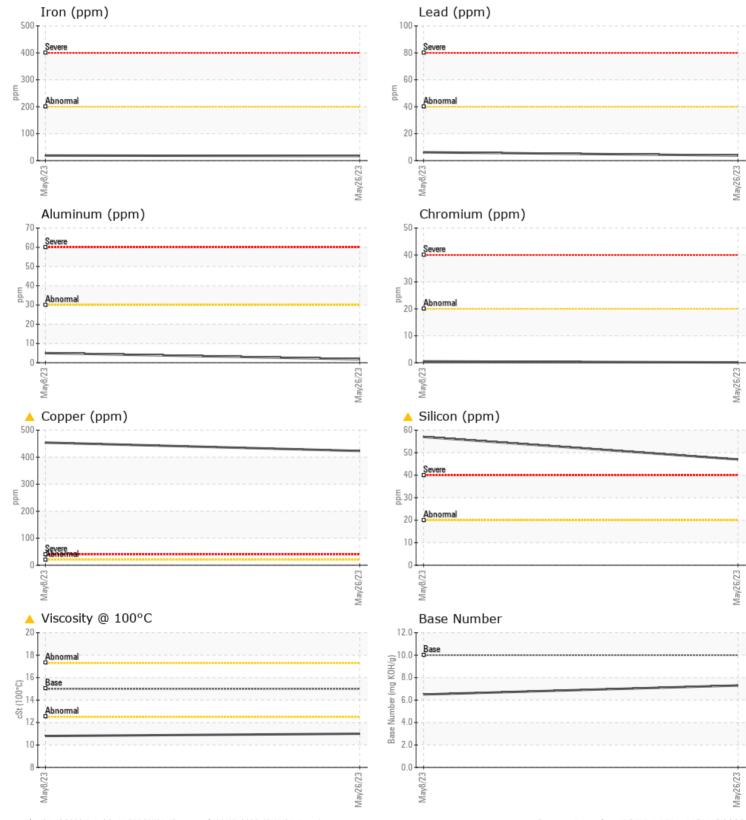
Contact/Location: TODD LARK - VOLVO0090

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Contact/Location: TODD LARK - VOLVO0090