

# **CONSTRUCTION EQUIPMENT** VOLVO A25G 752571 - DIESEL ENGINE



### Sample No: VCP443314

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

	FORMATION					
	IF UKM/A TIUN	· · · · · · · · · · · · · · · · · · ·			_	
Sample Number		VCP443314	VCP430704			
Sample Date		29 May 2024	24 Aug 2023			
Machine Hours		1522	1011			
Oil Hours		0	0			
Oil Changed		Changed	Changed			
Sample Status		ABNORMAL	ABNORMAL			
VOLVO						
🔰 OIL CONDI	TION					
Visc @ 100°C	cSt	<b>12.4</b>	12.8			
Base Number (BN)		8.7	8.3			
Oxidation (PA)	%	75	56			
	70	75	50			
VOLVO						
Contamin	NATION					
Water	%	NEG	NEG			
Soot %	%	0.2	0.2			
Nitration (PA)	%	65	58			
Sulfation (PA)	%	59	53			
Glycol	%	NEG	NEG			
Fuel	%	0.3	<1.0			
Silicon	ppm	4	7			
Sodium	ppm	<b>1</b>	2			
Potassium	ppm	2	0			
WEAR ME	TALS					
<u> </u>		· · · ·	-	-	-	
Iron	ppm	<b>12</b>	11			
Copper	ppm	■ 84	<b>▲</b> 143			
Lead	ppm	<b>0</b>	1			
Tin	ppm	<b>1</b>	<b></b> <1			
Aluminum	ppm	<b>1</b>	1			
Chromium	ppm	■ <1	□ <1			
Molybdenum	ppm	52	64			
Nickel	ppm	<u> </u>	□ <1			
Titanium	ppm	<1	0			
Silver	ppm	□<1	□ <1			
Manganese	ppm	<b>1</b>	2			
Vanadium	ppm	<1	<1			
			- 4075			
Calcium	ppm	1474	1275			
Magnesium	ppm	658	881			
Zinc	ppm	1212	1239			
Phosphorus	ppm	<b>1056</b>	1055			
Barium	ppm	0	0			
Boron	ppm	20	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.Valve wear is indicated. Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the oil. 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:
 11059526

 Signed:
 Sean Felton

 Report Date:
 05 Jun 2024

Contact/Location: TODD LARK - VOLVO0090

Report Id: VOLVO0090 [WUSCAR] 06197403 (Generated: 06/06/2024 08:03:55) Rev: 1

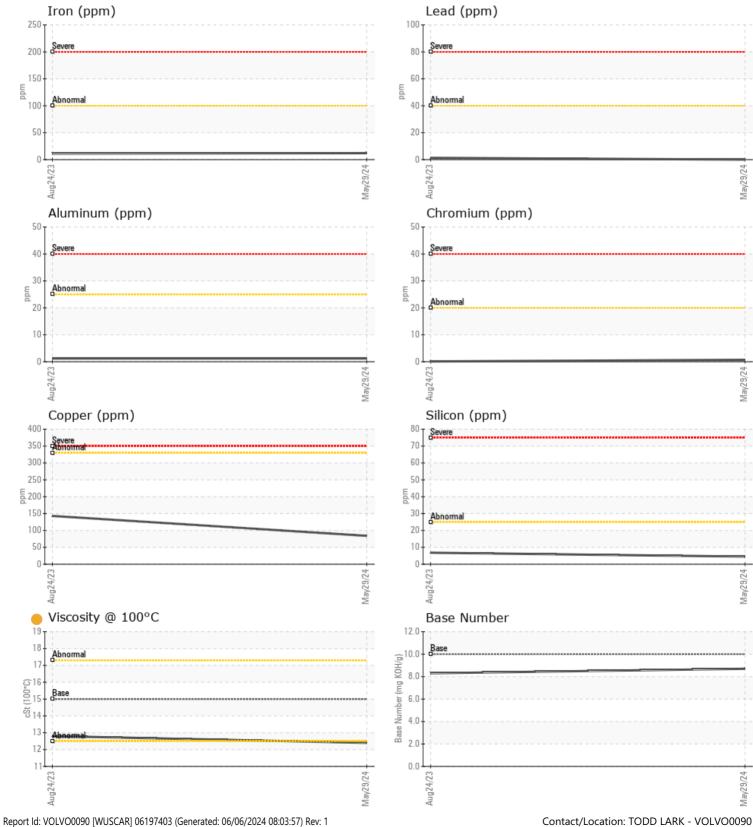
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# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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