## CONSTRUCTION EQUIPMENT

Sample No: VCP434865

VOLVO

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 Job No: 633380 ALTA RENTS

Job No:

## Sample Number VCP434865

Sample Date		08 Nov 2023	 	
Machine Hours		750	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL COND	TION			
Visc @ 100°C	cSt	<b>10.8</b>	 	
Base Number (BN)	mg KOH/g	<b>4.7</b>	 	
Oxidation (PA)	%	70	 	
CONTAM				
CONTAMI	NATIUN			
Soot %	%	0.1	 	
Nitration (PA)	%	83	 	
Sulfation (PA)	%	61	 	
Glycol	%	NEG	 	
Fuel	%	0.8	 	
Silicon	ppm	<b>A</b> 30	 	
Sodium	ppm	2	 	
Potassium	ppm	2	 	

WEAR METALS							
Iron	ppm	<b>11</b>					
Copper	ppm	<u> </u>					
Lead	ppm	2					
Tin	ppm	2					
Aluminum	ppm	3					
Chromium	ppm	0					
Molybdenum	ppm	81					
Nickel	ppm						
Titanium	ppm	0					
Silver	ppm	0					
Manganese	ppm	3					
Vanadium	ppm	0					

Vandale

ADDITIVES								
ppm	2153							
ppm	29							
ppm	<b>1194</b>							
ppm	975							
ppm	0							
ppm	<b>17</b>							
	ppm ppm ppm ppm	ppm         29           ppm         1194           ppm         975           ppm         0	ppm         29            ppm         1194            ppm         975            ppm         0	29             ppm         1194             ppm         975             ppm         0				



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC 8418 PALM RIVER ROAD TAMPA, FL US 33619

US 33619 Contact: JOHN FARDELLA john.fardella@altg.com T: (813)630-0077 F: (813)630-2233

## 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 component wear rates are normal. Fuel content negligible. 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:
 VOI

 Unique No:
 107

 Signed:
 Dor

 Report Date:
 151

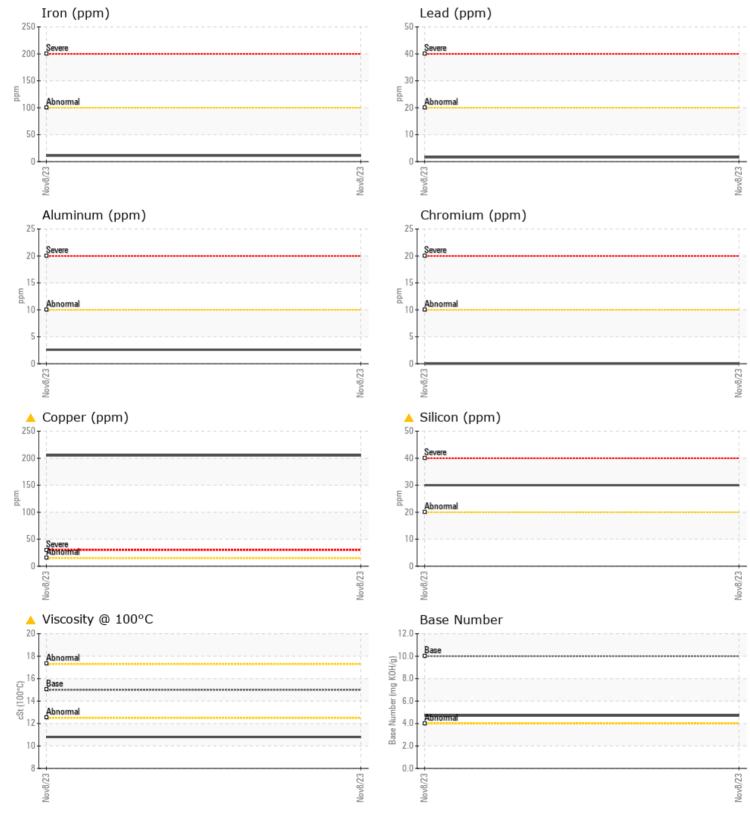
VOLVO0093 10739028 Don Baldridge 15 Nov 2023

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Contact/Location: JOHN FARDELLA - VOLVO0093