CONSTRUCTION EQUIPMENT 605761 TUCKER PAVING VOLVO EC550EL 310196 - DIESEL ENGI

Sample No: VCP414207 Oil Type: VOLVO ULT

VOLVO

: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No: 605761 TUCKER PAVING

SAMPLE INFORMATION Sample Number VCP414207 Sample Date 07 Sep 2023 Machine Hours 689 Oil Hours 689 Oil Changed Changed ABNORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt **10.7** Base Number (BN) mg KOH/g 4.8 Oxidation (PA) % 67 CONTAMINATION 0.3 % Soot % Nitration (PA) % 88

Sulfation (PA)	%	61	 	
Glycol	%	NEG	 	
Fuel	%	1.0	 	
Silicon	ppm	36	 	
Sodium	ppm	2	 	
Potassium	ppm	2	 	

WEAR METALS

Iron	ppm	∎15	 	
Copper	ppm	<u> </u>	 	
Lead	ppm	2	 	
Tin	ppm	3	 	
Aluminum	ppm	4	 	
Chromium	ppm	0	 	
Molybdenum	ppm	88	 	
Nickel	ppm	2	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	2	 	
Vanadium	ppm	0	 	

pm	2131			
	2131			
pm	54			
pm	1190			
pm	944			
pm	0			
pm	7			
p p	im im	m 1190 m 944 m 0	m 1190 m 944 m 0	m 1190 m 944 m 00



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

Oil and filter change at the time of sampling has been noted. 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. Fuel content negligible. 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:V(Unique No:10Signed:JoReport Date:28

VOLVO0093 10668484 Jonathan Hester 28 Sep 2023

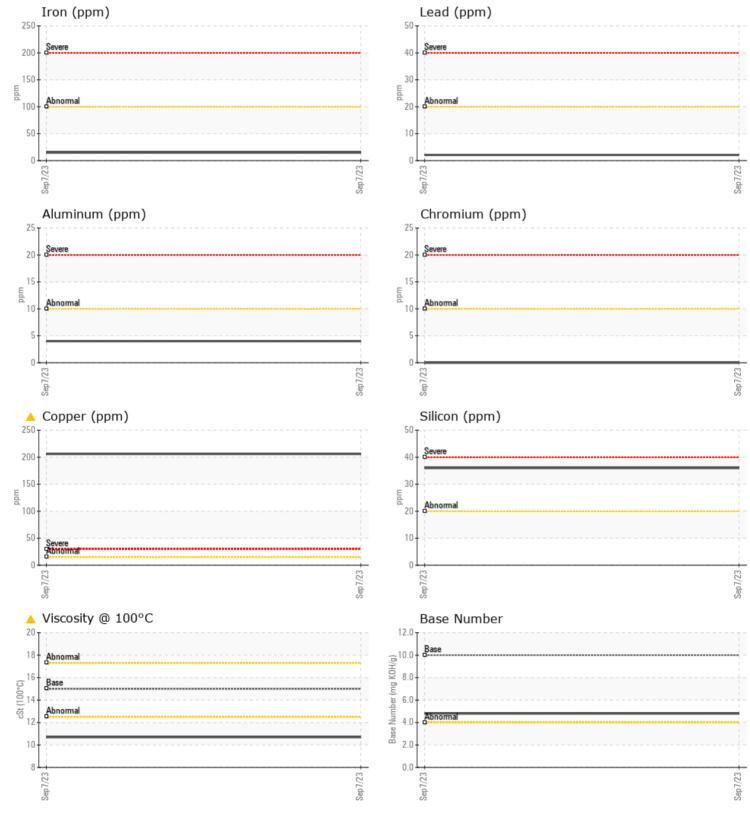
Contact/Location: JOHN FARDELLA - VOLVO0093

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO0093 [WUSCAR] 05961933 (Generated: 09/28/2023 12:43:29) Rev: 1

Contact/Location: JOHN FARDELLA - VOLVO0093