CONSTRUCTION EQUIPMENT 659020 TUCKER PAVING VOLVO EC550EL 310196 - DIESEL ENGI

Sample No: VCP428669 **Oil Type:** 659020 TUCKER PAVING

VOLVO

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

SAMPLE INFORMATION Sample Number VCP428669 VCP414207 Sample Date 05 Jan 2024 07 Sep 2023 Machine Hours 1236 689 **Oil Hours** 500 689 Changed Oil Changed Changed Sample Status ABNORMAL ABNORMAL **OIL CONDITION** Visc @ 100°C cSt **12.1 1**0.7 Base Number (BN) mg KOH/g 4.8 8.2 80 Oxidation (PA) % 67 CONTAMINATION % NEG Water NEG Soot % % 0.2 0.3

Nitration (PA)	%	73	88	
Sulfation (PA)	%	63	61	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	1.0	
Silicon	ppm	17	36	
Sodium	ppm	2	2	
Potassium	ppm	0	2	

VEAD METALS

WEAR I	METALS			
Iron	ppm	1 0	15	
Copper	ppm	<u> </u>	<u> </u>	
Lead	ppm	 <1	2	
Tin	ppm	1	3	
Aluminum	ppm	2	4	
Chromium	ppm	0	0	
Molybdenum	ppm	49	88	
Nickel	ppm	4	2	
Titanium	ppm	0	0	
Silver	ppm	0	0	
Manganese	ppm	■ <1	2	
Vanadium	ppm	0	0	

ADDITIVES 1772 Calcium 2131 ppm 54 Magnesium 432 ppm Zinc 1122 1190 ppm Phosphorus ppm 943 944 Barium 0 🔲 0 ppm 16 Boron ppm **7**



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC

8418 PALM RIVER ROAD TAMPA, FL 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 has decreased, but is still 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. 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.

VOLVO0093 Depot: Unique No: 10861615 Signed: Sean Felton **Report Date:** 06 Feb 2024

Report Id: VOLVO0093 [WUSCAR] 06079524 (Generated: 02/09/2024 11:28:12) Rev: 1

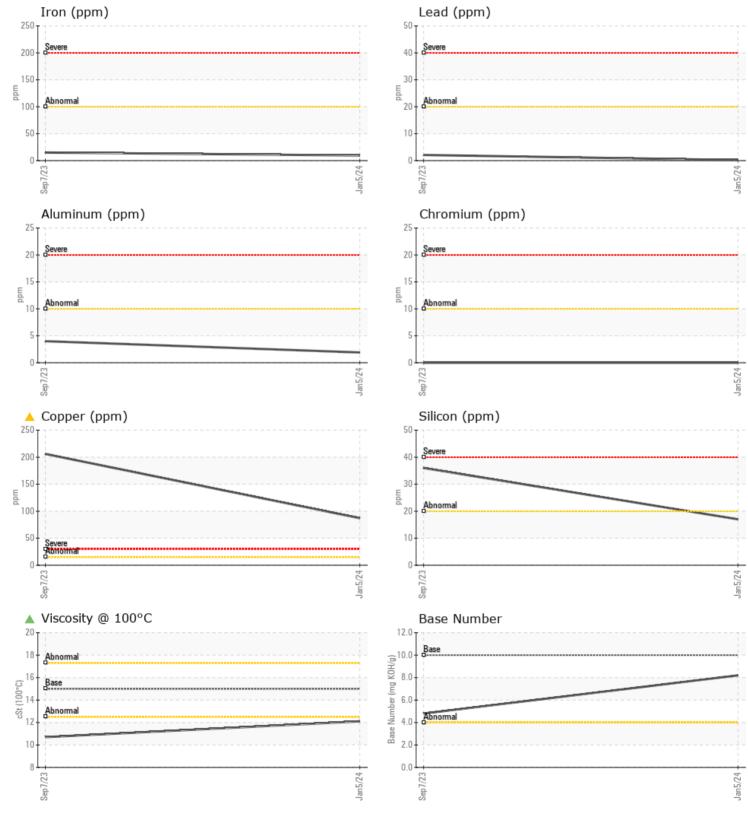
Contact/Location: JOHN FARDELLA - VOLVO0093

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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Contact/Location: JOHN FARDELLA - VOLVO0093