CONSTRUCTION EQUIPMENT 594335 MOSAIC VOLVO EC480EL 315147 - DIESEL ENGINE

Sample No: VCP417083 **Oil Type:**

VOLVO

Job No:

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 594335 MOSAIC

SAMPLE INFORMATION VCP417083 Sample Number Sample Date 21 Aug 2023 Machine Hours 812 Oil Hours 812 Oil Changed Changed ABNORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt **11.0** 4.4 Base Number (BN) mg KOH/g Oxidation (PA) 73 % CONTAMINATION % 0.1 Soot %

Nitration (PA)	%	91	 	
Sulfation (PA)	%	65	 	
Glycol	%	NEG	 	
Fuel	%	0.6	 	
Silicon	ppm	27	 	
Sodium	ppm	3	 	
Potassium	ppm	2	 	

WLAK ME	IALS			
Iron	ppm	1 6	 	
Copper	ppm	<u> </u>	 	
Lead	ppm	2	 	
Tin	ppm	3	 	
Aluminum	ppm	4	 	
Chromium	ppm	0	 	
Molybdenum	ppm	79	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	2	 	
Vanadium	ppm	0	 	

ADDITIVES						
Calcium	ppm	2130				
Magnesium	ppm	66				
Zinc	ppm	1189				
Phosphorus	ppm	928				
Barium	ppm	0				
Boron	ppm	6				



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC 8418 PALM RIVER ROAD TAMPA, FL US 33619 Contact: JOHN FARDELLA JFARDELLA@ALTAEOUIPFL.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: Unique No: Signed: Report Date:

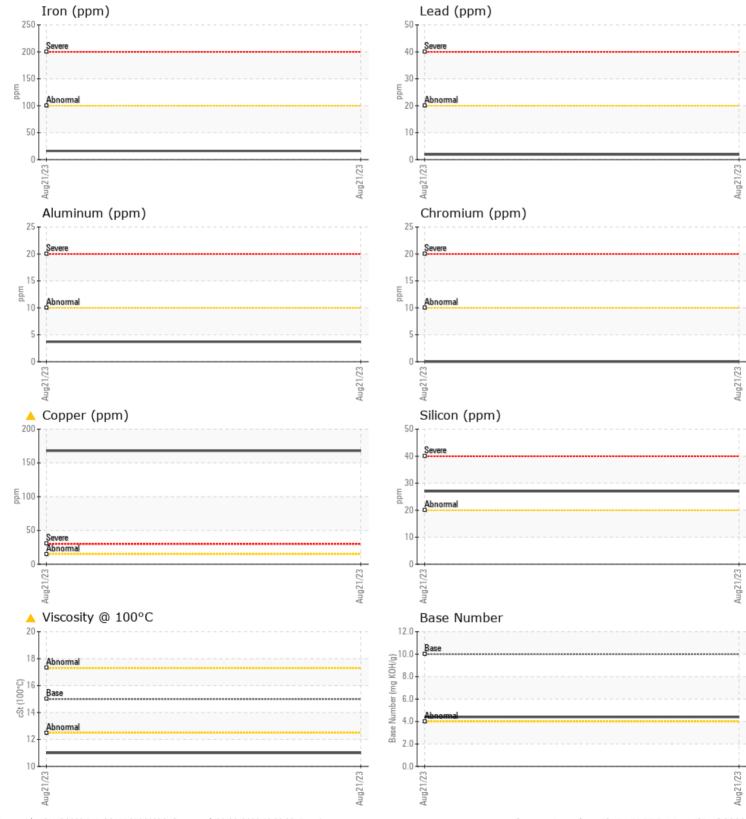
VOLVO0093 10668487 Jonathan Hester 28 Sep 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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Contact/Location: JOHN FARDELLA - VOLVO0093