CONSTRUCTION EQUIPMENT W06005448 VOLVO EC300E 316457 - DIESEL ENGINE

Sample No: VCP415789 **Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 Job No: W06005448

SAMPLE INFORMATION

VOIN

Sample Number		VCP415789								
Sample Date		20 Jul 2023								
Machine Hours		501								
Oil Hours		0								
Oil Changed		Changed								
Sample Status		ABNORMAL								
Visc @ 100°C	cSt	11.6								
Base Number (BN)) mg KOH/g	6.1								
Oxidation (PA)	%	68								
CONTAMINATION										
Soot %	%	0.1								
Nitration (PA)	%	84								
Sulfation (PA)	%	54								
Glycol	%	NEG								
Fuel	%	0.2								
Silicon	ppm	22								
Sodium	ppm	0								
Potassium	ppm	10								

VEAD METALS

WEAR I	METALS			
Iron	ppm	17	 	
Copper	ppm	<u> </u>	 	
Lead	ppm	□<1	 	
Tin	ppm	0	 	
Aluminum	ppm	3	 	
Chromium	ppm		 	
Molybdenum	ppm	89	 	
Nickel	ppm		 	
Titanium	ppm	<1	 	
Silver	ppm	2	 	
Manganese	ppm	2	 	
Vanadium	maa	0	 	



McClung-Logan Virginia LLC 2025 COOK DRIVE SALEM, VA

US 24153 Contact: HUNTER TRIVELLIN ttrivellin@mcclung-logan.com T: (540)789-3750 F:

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. 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: VOLVO9010 Unique No: Signed: Report Date:

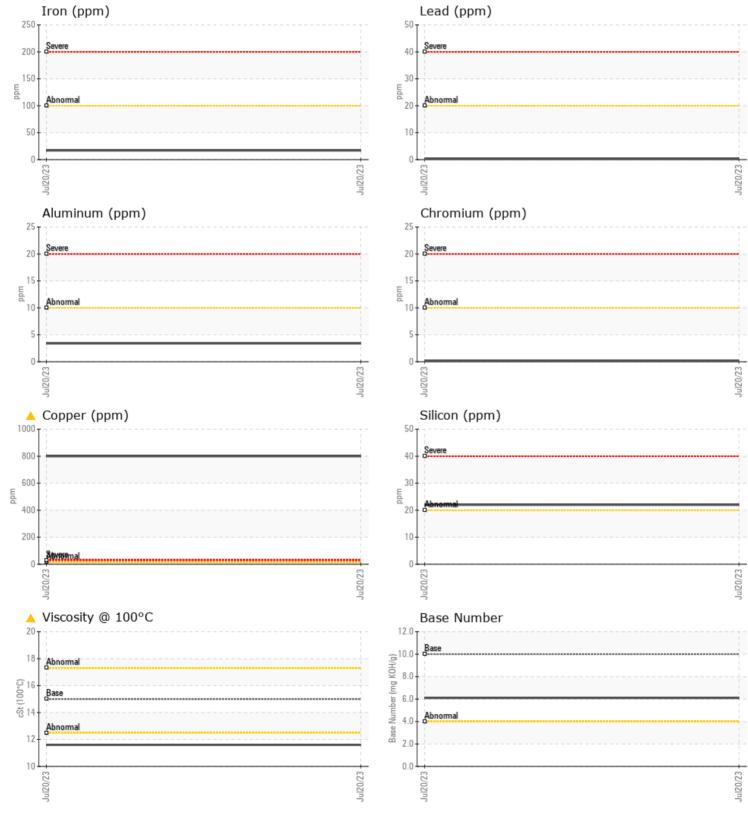
10586147 Don Baldridge 05 Aug 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO9010 [WUSCAR] 05914233 (Generated: 08/07/2023 08:12:00) Rev: 1

Contact/Location: HUNTER TRIVELLIN - VOLVO9010