

CONSTRUCTION EQUIPMENT VOLVO EC300EL 317245 - DIESEL ENGINE



Sample No: VCP429597

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

	INFORMATION			
Sample Number		VCP429597	 	
Sample Date		26 Oct 2023	 	
Machine Hours		547	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL COND	ITION			
Visc @ 100°C	cSt	13.7	 	
Base Number (BN)	mg KOH/g	7.4	 	
Oxidation (PA)	%	55	 	
CONTAM	NATION			
Soot %	%	0.1	 	
Nitration (PA)	%	68	 	
Sulfation (PA)	%	48	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	5	 	
Sodium	ppm	1	 	
Potassium	ppm	4	 	
WEAR MI	ETALS			
Iron	ppm	 <1	 	
Copper	ppm	5 3	 	
Lead	ppm	 <1	 	
Tin	ppm	0	 	
Aluminum	ppm	3	 	
Chromium	ppm	0	 	
Molybdenum	ppm	78	 	
Nickel	ppm	 <1	 	
Titanium	ppm	0	 	
Silver	ppm	■ <1	 	
Manganese	ppm	 <1	 	
Vanadium	ppm	<1	 	

Variaulu

ADDITIVES								
Calcium	ppm	1991						
Magnesium	ppm	52						
Zinc	ppm	1183						
Phosphorus	ppm	1040						
Barium	ppm	0						
Boron	ppm	60						



ALTA EQUIPMENT

5985 COURT STREET ROAD SYRACUSE, NY US 13206 Contact: JIM STRIGLE JIM.STRIGLE@ALTG.COM T: (315)437-2611 F: (315)434-9471

Diagnosis

The oil 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 metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

 Depot:
 VOLV00142

 Unique No:
 10724522

 Signed:
 Sean Felton

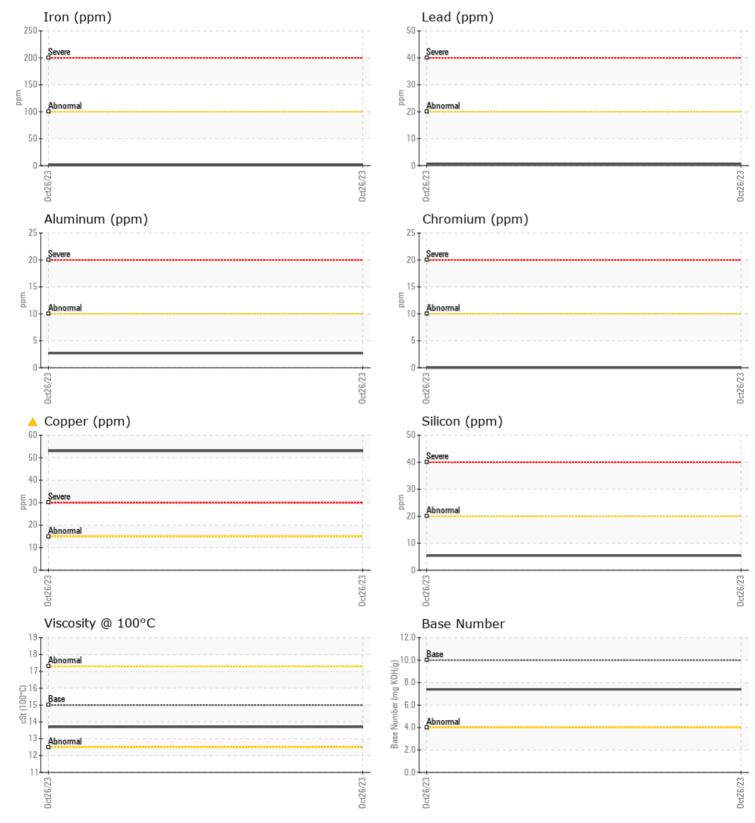
 Report Date:
 03 Nov 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO0142 [WUSCAR] 05996162 (Generated: 11/03/2023 11:52:18) Rev: 1

Contact/Location: JIM STRIGLE - VOLVO0142