

CONSTRUCTION EQUIPMENT VOLVO EC300EL 317258 - DIESEL ENGINE



Sample No: VCP447738

Oil Type: VC

on type.

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

VOLVO				
SAMPLE IN	FORMATION			
Sample Number		VCP447738	VCP413431	
Sample Date		22 May 2024	21 Aug 2023	
Machine Hours		1265	502	
Oil Hours		0	0	
Oil Changed		Changed	Changed	
Sample Status		ABNORMAL	ABNORMAL	
OIL CONDI	τιων			
	-	. 12.2	107	
Visc @ 100°C	cSt	12.2	10.7	
	mg KOH/g	8.8	6.8	
Oxidation (PA)	%	80	61	
VOLVO				
Contamin	IATION			
Water	%	NEG	NEG	
Soot %	%	0.1	0.1	
Nitration (PA)	%	69	74	
Sulfation (PA)	%	60	53	
. ,	%	NEG		
Glycol	%	<1.0	NEG	
Fuel			0.3	
Silicon	ppm	12	23	
Sodium	ppm	6	5	
Potassium	ppm	34	18	
VOLVO				
🤍 WEAR ME'	TALS			
ron	ppm	16	11	
Copper	ppm	▲ 705	▲ 560	
Lead		□ <1	5	
Fin	ppm	■ <1	0	
Aluminum	ppm	13	6	
	ppm			
Chromium	ppm	1	□ <1	
Volybdenum	ppm	71	81	
Nickel	ppm	1	0	
Titanium	ppm	<1	0	
Silver	ppm	2	1	
Manganese	ppm	1	2	
Vanadium	ppm	<1	<1	
	5			
Calcium		2504	2099	
	ppm			
Magnesium	ppm	707	118	
Zinc	ppm	1701	1187	
Phosphorus	ppm	1406	1026	
Barium	ppm	0	0	
Boron	ppm	40	72	

ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com T: F: (239)481-3302

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 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:
 VOLVO0090

 Unique No:
 11050432

 Signed:
 Don Baldridge

 Report Date:
 31 May 2024

Report Id: VOLVO0090 [WUSCAR] 06193680 (Generated: 05/31/2024 19:26:51) Rev: 1

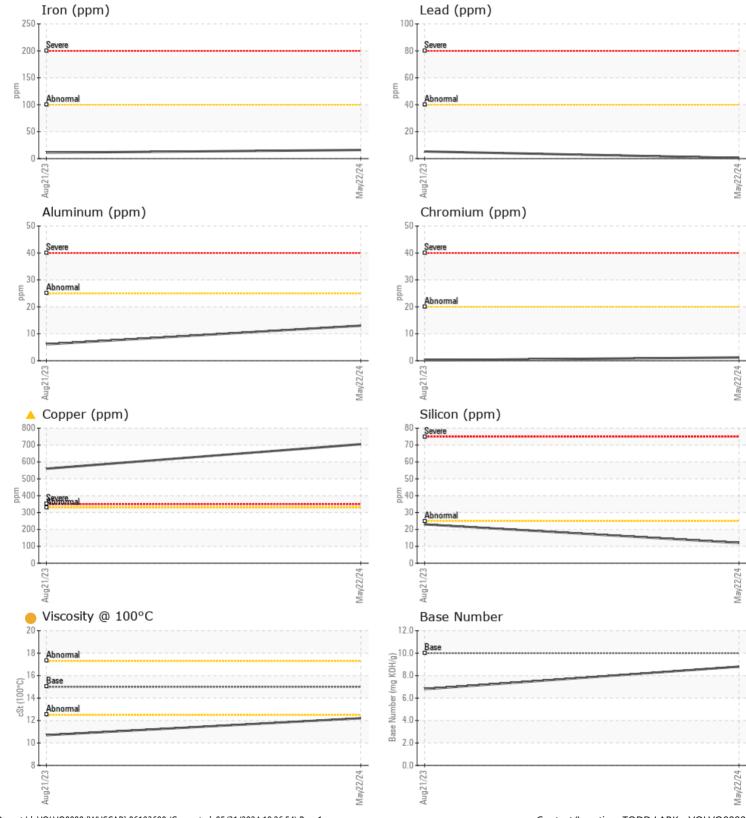
Contact/Location: TODD LARK - VOLVO0090

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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