CONSTRUCTION EQUIPMENT RS0035797 VOLVO A25G 752734 - DIESEL ENGINE



 Sample No:
 VCP415165

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

 Job No:
 RSO035797

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SAMPLE INFORMATION

VOLVO

Sample Number		VCP415165							
Sample Date		17 Oct 2023							
Machine Hours		637							
Oil Hours		0							
Oil Changed		Changed							
Sample Status		ABNORMAL							
Visc @ 100°C	cSt	A 10.9							
Base Number (BN)	mg KOH/g	6.1							
Oxidation (PA)	%	57							
CONTAMI									
	NATION								
Soot %	%	0.3							
Nitration (PA)	%	76							
Sulfation (PA)	%	52							
Glycol	%	NEG							
Fuel	%	0.4							
Silicon	ppm	33							
Sodium	ppm	4							
Potassium	ppm	3							

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WEAR METALS						
Iron	ppm	23				
Copper	ppm	<u> </u>				
Lead	ppm	0				
Tin	ppm	2				
Aluminum	ppm	3				
Chromium	ppm	 <1				
Molybdenum	ppm	78				
Nickel	ppm	 <1				
Titanium	ppm	<1				
Silver	ppm	2				
Manganese	ppm	5				
Vanadium	ppm	<1				

- Contraction

ADDITIVES								
ppm	2152							
ppm	70							
ppm	1279							
ppm	1056							
ppm	0							
ppm	40							
	ppm ppm ppm ppm	ppm 70 ppm 1279 ppm 1056 ppm 0	ppm 70 ppm 1279 ppm 1056 ppm 0	ppm 70 ppm 1279 ppm 1056 ppm 0				



COWIN EQUIPMENT COMPANY

7950 PITTMAN AVE PENSACOLA, FL US 32534 Contact: HUGH DOBBS HDOBBS@COWIN.COM T: (850)479-3004 F: (850)474-1602

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:
 VOL

 Unique No:
 1072

 Signed:
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 Report Date:
 03 M

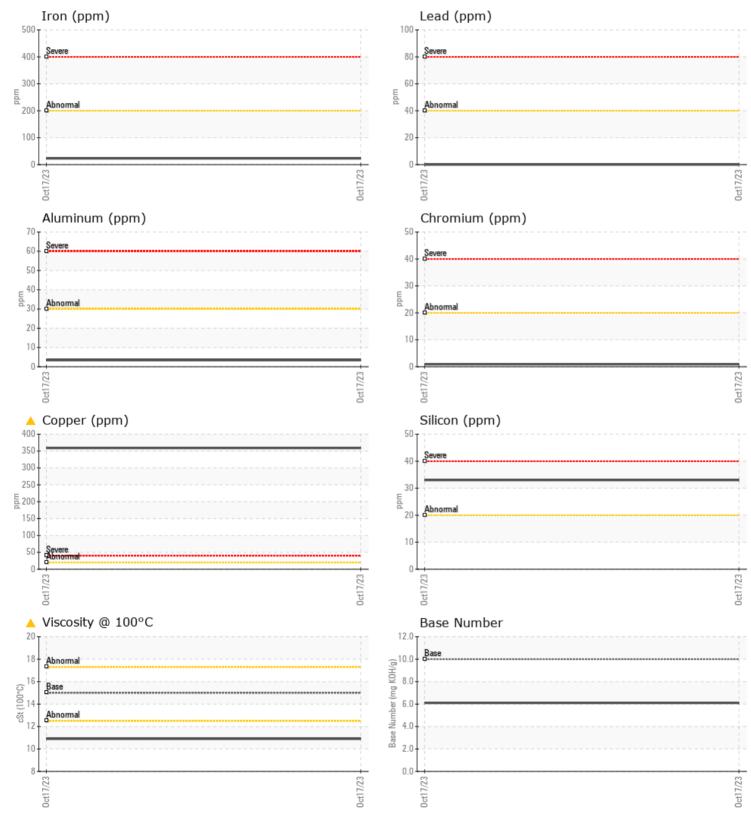
VOLVO8247 10722510 Jonathan Hester 03 Nov 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO8247 [WUSCAR] 05994150 (Generated: 11/06/2023 15:22:01) Rev: 1

Contact/Location: HUGH DOBBS - VOLVO8247