

CONSTRUCTION EQUIPMENT VOLVO A40G 353384 - DIESEL ENGINE



Sample No: VCP432155

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

Job No:

SAMPLE INFORMATION					
Sample Number	-	VCP432155			
Sample Date		02 Nov 2023			
Machine Hours		1237			
Oil Hours		1237			
Oil Changed		Changed			
Sample Status		ABNORMAL			
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OIL CONDITION					
Visc @ 100°C	cSt	<u>▲</u> 10.2			
Base Number (BN)		10.2			
Oxidation (PA)	%	70			
Oxidation (FA)	70	70			
VOLVO					
CONTAMIN	NATION				
Soot %	%	■ 0.5			
Nitration (PA)	%	96			
Sulfation (PA)	%	71			
Glycol	%	NEG			
Fuel	%	2.6			
Silicon	ppm	△ 35			
Sodium	ppm	4			
Potassium	ppm	■ 3			
WEAR METALS					
Iron		□38			
Copper	ppm	<u>△</u> 260			
Lead		■ <1			
Tin	ppm	5			
Aluminum	ppm	4			
Chromium	ppm	- <1			
Molybdenum	ppm	■89			
Nickel	ppm	■ 6			
Titanium	ppm	<1			
Silver	ppm	■0			
Manganese	ppm	■4			
Vanadium	ppm	<1			
Variadiani	PPIII				
ADDITION					
Calcium	ppm	2207			
Magnesium	ppm	22			
Zinc	ppm	1211			
Phosphorus	ppm	■935			
Barium	ppm	■0			
Boron	ppm	■9			
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Diagnosis

The oil 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). Fuel content negligible. Elemental level of silicon (Si) above normal indicating ingress of seal material. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot:VOLVO0093Unique No:10727210Signed:Jonathan HesterReport Date:08 Nov 2023



CONSTRUCTION EQUIPMENT





