

CONSTRUCTION EQUIPMENT 41990 VOLVO A45G 752220 - DIESEL ENGINE



Sample No: VCP409150

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

Job No: 41990

SAMPLE	INFORMATION			
Sample Number		VCP409150	 	
·		07 May 2024	 	
Sample Date Machine Hours		637	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
Sample Status		ADITORIVIAL		
VOLVO				
OIL CON	DITION			
Visc @ 100°C	cSt	10.9	 	
Base Number (BN	N) mg KOH/g	■ 5.7	 	
Oxidation (PA)	%	59	 	
CONTAN	MINATION			
Water	%	NEG	 	
Soot %	%	NEG ■ 0.5	 	
Nitration (PA)	%	81	 	
Sulfation (PA)	%	57	 	
Glycol	%	NEG	 	
Fuel	%	▲ 4.0	 	
Silicon	ppm	29	 	
Sodium	ppm	23	 	
Potassium	ppm	0	 	
Totassiani	ppm			
VOLVO	AFTAL C			
WEAR N	JE I ALS			
Iron	ppm	26	 	
Copper	ppm	<u></u> 4 370 <u></u>	 	
Lead	ppm	■3	 	
Tin	ppm	1	 	
Aluminum	ppm	■3	 	
Chromium	ppm	■ <1	 	
Molybdenum	ppm	■87	 	
Nickel	ppm	■3	 	
Titanium	ppm	0	 	
Silver	ppm	■ 0	 	
Manganese	ppm	■2	 	
Vanadium	ppm	0	 	
VOLVO				
ADDITIV	/ES			
Calcium	ppm	2326	 	
Magnesium	ppm	45	 	
Zinc	ppm	■ 1048	 	
Phosphorus	ppm	■ 943	 	
Barium	ppm	■0	 	
Boron	ppm	51	 	
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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. Light fuel dilution occurring. No other contaminants were detected 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:LANNORUnique No:11019684Signed:Don BaldridgeReport Date:14 May 2024



CONSTRUCTION EQUIPMENT





