

CONSTRUCTION EQUIPMENT W14836 VOLVO A40G 353426 - DIESEL ENGINE



Sample No: VCP442625

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

Job No: W14836

VOLVO				
SAMPLE II	NFORMATION			
Sample Number	•	VCP442625	 	
Sample Date		13 Oct 2023	 	
Machine Hours		966	 	
Oil Hours		1000	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	▲ 10.9	 	
Base Number (BN)		■4.6	 	
Oxidation (PA)	%	61	 	
CARGULIOTI (171)	70	.		
VOLVO	MATION			
CONTAMIN				
Soot %	%	■0.3	 	
Nitration (PA)	%	79	 	
Sulfation (PA)	%	61	 	
Glycol	%	NEG	 	
Fuel	%	■ 0.7	 	
Silicon	ppm	28	 	
Sodium	ppm	4	 	
Potassium	ppm	■4	 	
VOLVO				
WEAR ME	TALS			
Iron	ppm	1 9	 	
Copper	ppm	<u> </u>	 	
Lead	ppm	0	 	
Tin	ppm	■ 3	 	
Aluminum	ppm	■ 3	 	
Chromium	ppm	■ 0	 	
Molybdenum	ppm	■85	 	
Nickel	ppm	2	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	■3 0	 	
Vanadium	ppm	U	 	
VOLVO				
ADDITIVE:	2			
Calcium	ppm	2167	 	
Magnesium	ppm	55	 	
Zinc	ppm	1253	 	
Phosphorus	ppm	1031	 	
Barium	ppm	■ 0	 	
Boron	ppm	22	 	



HOUSBY HEAVY EQUIPMENT, LLC

4410 SE 4 MILE DR ANKENY, IA US 50021 Contact: RANDY VANDERLEEST rvanderleest@housby.com T: F: (515)964-2865

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:VOLVO0080Unique No:10701658Signed:Jonathan HesterReport Date:24 Oct 2023



CONSTRUCTION EQUIPMENT





GRAPHS

