

CONSTRUCTION EQUIPMENT W14861 VOLVO A40G 353434 - DIESEL ENGINE



Sample No: VCP374103

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

Job No: W14861

CVMDLEI	NFORMATION			
	AF URMA HUN	*		_
Sample Number		VCP374103	 	
Sample Date		27 Oct 2023	 	
Machine Hours		991	 	
Oil Hours		1000	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
VOLVO				
OIL CONDI	TION			
Visc @ 100°C	cSt	10.8	 	
Base Number (BN)	mg KOH/g	4.1	 	
Oxidation (PA)	%	63	 	
VOLVO	IATION			
CONTAMIN	_			
Soot %	%	■ 0.4	 	
Nitration (PA)	%	83	 	
Sulfation (PA)	%	66	 	
Glycol	%	NEG	 	
Fuel	%	■ 0.5	 	
Silicon	ppm	■28	 	
Sodium	ppm	■ 5	 	
Potassium	ppm	■ 3	 	
WEAR ME	TALS			
Iron	ppm	26	 	
Copper	ppm	<u>△</u> 259	 	
Lead	ppm	■ 0	 	
Tin	ppm	4	 	
Aluminum	ppm	■3	 	
Chromium	ppm	■ <1	 	
Molybdenum	ppm	■83	 	
Nickel	ppm	2	 	
Titanium	ppm	<1	 	
Silver	ppm	■ 0	 	
Manganese	ppm	■3	 	
Vanadium	ppm	0	 	
	FP			
ADDITIVE:	7			
		50455		
Calcium	ppm	■2157	 	
Magnesium	ppm	36	 	
Zinc	ppm	1256	 	
Phosphorus	ppm	■ 993	 	
Barium	ppm	0	 	
Boron	ppm	16	 	



HOUSBY HEAVY EQUIPMENT, LLC

4410 SE 4 MILE DR ANKENY, IA US 50021 Contact: RANDY VANDERLEEST rvanderleest@housby.com T:

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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. 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: VOLVO0080
Unique No: 10722517
Signed: Jonathan Hester
Report Date: 03 Nov 2023



CONSTRUCTION EQUIPMENT





