

CONSTRUCTION EQUIPMENT

333903 SUPERIOR CONS VOLVO A40G 353348 - DIESEL ENGINE

Sample No: VCP413071

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

Job No: 333903 SUPERIOR CONS

VOLVO	IFORMATION			
	FORMATION			
Sample Number		VCP413071	 	
Sample Date		16 Aug 2023	 	
Machine Hours		736	 	
Oil Hours		736	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	<u> </u>	 	
Base Number (BN)		■4.8	 	
Oxidation (PA)	%	59	 	
Oxidation (1 A)	70	33		
VOLVO				
CONTAMIN	NATION			
Soot %	%	■ 0.3	 	
Nitration (PA)	%	85	 	
Sulfation (PA)	%	60	 	
Glycol	%	NEG	 	
Fuel	%	0.5	 	
Silicon	ppm	26	 	
Sodium	ppm	4	 	
Potassium	ppm	4	 	
WEAR ME	Z IAT			
_	-	=24	 	
Iron	ppm	■24 ▲ 155		
Copper Lead	ppm	<u>3</u>	 	
Tin	ppm	4	 	
Aluminum	ppm	4	 	
Chromium	ppm	0	 	
Molybdenum	ppm	■85	 	
Nickel	ppm	■ 83	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese		■3	 	
Vanadium	ppm	<1	 	
variacium	PPIII	` '		
VOLVO			 	
ADDITIVE:	7			
Calcium	ppm	■2298	 	
Magnesium	ppm	23	 	
Zinc	ppm	1231	 	



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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:VOLVO0093Unique No:10636069Signed:Jonathan HesterReport Date:13 Sep 2023

ppm

ppm

984

0

Phosphorus

Barium

Boron



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GRAPHS

