

CONSTRUCTION EQUIPMENT VOLVO A40G 752333 - DIESEL ENGINE



Sample No: VCP443008

Oil Type: DIESEL ENGINE OIL SAE 15W40

Report Id: RIPTAM [WUSCAR] 06209647 (Generated: 06/19/2024 16:32:08) Rev: 1

Job No:

VOLVO				
SAMPLE IN	NFORMATION			
Sample Number	-	VCP443008	 	
Sample Date		08 Jun 2024	 	
Machine Hours		697	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIT CONDI.	TION			
Visc @ 100°C	cSt	11.1	 	
Base Number (BN)		■ 5.4	 	
Oxidation (PA)	%	57	 	
VOLVO				
CONTAMIN	NATION			
Water	%	NEG	 	
Soot %	%	■ 0.1	 	
Nitration (PA)	%	79	 	
Sulfation (PA)	%	55	 	
Glycol	%	NEG	 	
Fuel	%	■ 0.3	 	
Silicon	ppm	■25	 	
Sodium	ppm	■<1	 	
Potassium	ppm	■3	 	
WEAR ME	7 ΙΔΤ			
•		= 17	 	
Iron	ppm	■ 17 ▲ 335		
Copper Lead	ppm	<u> </u>	 	
Tin	ppm	3	 	
Aluminum	ppm	2	 	
Chromium	ppm	■ < 1	 	
Molybdenum	ppm	■84	 	
Nickel	ppm	<u></u>	 	
Titanium	ppm	- <1	 	
Silver	ppm	0	 	
Manganese	ppm	2	 	
Vanadium	ppm	0	 	
- Caracaran	PP111			
ADDITIVES	2			
Calcium	ppm	2061	 	
Magnesium	ppm	97	 	
Zinc	ppm	1121	 	
Phosphorus	ppm	■880	 	
Barium	ppm	■0	 	
Boron	ppm	25	 	
	1.1			



RIPA AND ASSOCIATES

10149 FISHER AVENUE TAMPA, FL US 33619 Contact: ROBERT TURNER rturner@ripatampa.com T: F:

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:RIPTAMUnique No:11077108Signed:Jonathan HesterReport Date:19 Jun 2024



CONSTRUCTION EQUIPMENT





