

CONSTRUCTION EQUIPMENT VOLVO A40G 352512 - DIESEL ENGINE



Sample No: VCP313716

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

Job No:

SAMPLE	INFORMATION			
Sample Number		VCP313716	 	
Sample Date		03 Jun 2021	 	
Machine Hours		1089	 	
Oil Hours		1080	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CON	DITION			
Visc @ 100°C	cSt	1 0.7	 	
Oxidation (PA)	%	98	 	
CULTAN	INATION			
_				
Water	%	NEG	 	
Soot %	%	■0.6	 	
Nitration (PA)	%	103	 	
Sulfation (PA)	%	72	 	
Glycol	%	NEG	 	
Fuel	%	■ 1.3	 	
Silicon Sodium	ppm	□ 26	 	
Potassium	ppm	4	 	
rotassium	ppm			
VOLVO				
WEAR M	F1AL2			
Iron	ppm	41	 	
Copper	ppm	<u> </u>	 	
Lead	ppm	2	 	
Tin	ppm	■7	 	
Aluminum	ppm	2	 	
Chromium	ppm	- <1	 	
Molybdenum	ppm	41	 	
Nickel	ppm	4	 	
Titanium Silver	ppm	3	 	
Manganese	ppm	4	 	
Vanadium	ppm	<1	 	
Variaciditi	ррпп	~1		
ADDITIV	ES			
Calcium	ppm	1607	 	
Magnesium	ppm	448	 	
Zinc	ppm	1033	 	
Phosphorus	ppm	■861	 	
Barium	ppm	0	 	
Boron	ppm	■30	 	



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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. Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type.

Depot:VOLVO0093Unique No:9565440Signed:Jonathan HesterReport Date:01 Jul 2021



CONSTRUCTION EQUIPMENT





