

CONSTRUCTION EQUIPMENT 688222 TOEBE VOLVO A40G 353374 - DIESEL ENGINE



Sample No: VCP436401

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

Job No: 688222 TOEBE

CVMDLEI	NFORMATION				
_	AF URMA HUN	V6D426404	VCD 44.2570	_	
Sample Number		VCP436401	VCP412579		
Sample Date		04 Apr 2024	04 Aug 2023		
Machine Hours		1118	485		
Oil Hours		500	485		
Oil Changed		Changed	Changed		
Sample Status		ATTENTION	ABNORMAL		
VOLVO					
OIL CONDI	TION				
Visc @ 100°C	cSt	12.0	10.9		
Base Number (BN)	mg KOH/g	6.6	5.7		
Oxidation (PA)	%	60	56		
CONTAMIN	NATION				
_					
Water	%	NEG	NEG		
Soot %	%	■ 0.3	0.2		
Nitration (PA)	%	77	82		
Sulfation (PA)	%	57 NEC	53		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	1.0		
Silicon Sodium	ppm	8	<u>27</u>		
	ppm	2			
Potassium	ppm	0	4		
VOLVO					
WEAR ME	TALS				
Iron	ppm	22	2 0		
Copper	ppm	<u> </u>	△ 305		
Lead	ppm	2	4		
Tin	ppm	■ <1	3		
Aluminum	ppm	1	■3		
Chromium	ppm	■<1	□0		
Molybdenum	ppm	■ 52	■84		
Nickel	ppm	■7	1		
Titanium	ppm	0	0		
Silver	ppm	■ 0	0		
Manganese	ppm	1	■3		
Vanadium	ppm	<1	<1		
VOLVO					
ADDITIVES					
Calcium		1144	□ 2229		
Magnesium	ppm	761	42		
Zinc	ppm	1060	1217		
	PP'''				

1014

0

50



ALTA EQUIPMENT COMPANY - METRO WEST 56195 PONTIAC TRAIL NEW HUDSON, MI US 48165 Contact: PAUL CONZ paul.conz@altg.com T: (313)348-8861 F: (248)356-2029

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level has decreased, but is still abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). 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:VOLVO2990Unique No:10968716Signed:Jonathan HesterReport Date:11 Apr 2024

ppm

ppm

ppm

951

0

2

Phosphorus

Barium

Boron



CONSTRUCTION EQUIPMENT





