

CONSTRUCTION EQUIPMENT W14719 VOLVO A40G 352936 - DIESEL ENGINE



Sample No: VCP433552

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

Job No: W14719

VOLVO SAMDI FIL	NFORMATION				
_	MI ONMATION	V6D422552	VCD2077.42) (CD20 4474	
Sample Number		VCP433552	VCP397743	VCP384171	
Sample Date		21 Sep 2023	29 Dec 2022	31 Oct 2022	
Machine Hours		1954	963	745	
Oil Hours		500	500	500	
Oil Changed		Changed	Changed	Not Changd	
Sample Status		ATTENTION	ATTENTION	ABNORMAL	
VOLVO					
OIL CONDI	TION				
Visc @ 100°C	cSt	12.2	10.5	10.6	
Base Number (BN)		6.5	10.3	5.9	
Oxidation (PA)	mg KOH/g %	81	63	63	
	70	01	03	03	
VOLVO					
CONTAMIN	NATION				
Soot %	%	□0.2	□0.3	□0.3	
Nitration (PA)	%	83	85	93	
Sulfation (PA)	%	61	62	61	
Glycol	%	NEG	NEG	NEG	
Fuel	%	<1.0	<1.0	0.4	
Silicon	ppm	□ 10	26	▲ 27	
Sodium	ppm	6	1 4	3	
Potassium	ppm	1	1	4	
i Otassiairi	ррпп		I		
VOLVO					
WEAR ME	TALS				
Iron	ppm	1 4	2 9	2 5	
Copper	ppm	1 5	5 5	<u></u> 59	
Lead	ppm	■ <1	<u></u> 4	2	
Tin	ppm	2	6	<u>5</u>	
Aluminum	ppm	<u> </u>	4	□3	
Chromium	ppm	■ <1	- <1	□ <1	
Molybdenum	ppm	■54	8 7	□90	
Nickel	ppm	7	12	■10	
Titanium	ppm	0	0	0	
Silver	ppm	0	0	0	
Manganese	ppm	2	1 4	1 4	
Vanadium	ppm	0	0	0	
- Caridalati	PPIII	v	- U	V	
VOLVO					
ADDITIVE:	7				
Calcium	ppm	■1850	□2193	■2100	
Magnesium	ppm	452	80	75	
7.		=1012	=1076	- 1177	

1076

938

0

1177

987

0

24



HOUSBY HEAVY EQUIPMENT, LLC

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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. All component wear rates are normal. 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:VOLVO0080Unique No:10662247Signed:Don BaldridgeReport Date:27 Sep 2023

ppm

ppm

ppm

ppm

Zinc

Barium

Boron

Phosphorus

1013

822

0

■30



CONSTRUCTION EQUIPMENT





