

CONSTRUCTION EQUIPMENT

SW-21557-2 CMC ROCK VOLVO L220H 3376 - DIESEL ENGINE

Sample No: VCP404710

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

Job No: SW-21557-2 CMC ROCK

VOLVO				
SAMPLE II	NFORMATION			
Sample Number	-	VCP404710	VCP406787	
Sample Date		17 Jul 2023	26 Apr 2023	
Machine Hours		2160	1547	
Oil Hours		500	1100	
Oil Changed		Changed	Changed	
Sample Status		ATTENTION	NORMAL	
VOLVO	TION			
OIL CONDI	TIUN			
Visc @ 100°C	cSt	<u> </u>	11.7	
Base Number (BN)	mg KOH/g	7.9	4.3	
Oxidation (PA)	%	62	67	
CONTAMI	NATION			
_				
Soot %	%	■ 0.3	0.2	
Nitration (PA)	%	58	71	
Sulfation (PA)	%	55	54	
Glycol	%	NEG	0.0	
Fuel	%	<1.0	□ 0.4	
Silicon	ppm	■0	9	
Sodium	ppm		3	
Potassium	ppm	1	0	
VOLVO				
WEAR ME	TALS			
Iron		12	1 5	
	ppm	31	6 7	
Copper Lead	ppm		□ 0	
Tin	ppm		1	
Aluminum	ppm	■<1 ■<1	<1	
Chromium	ppm	0	0	
	ppm			
Molybdenum	ppm	■ 59	□ 52	
Nickel Titanium	ppm	0	0	
	ppm	0	0	
Silver	ppm	0	0	
Manganese Vanadium	ppm	1 <1	2	
	ppm	0	<1	

1371

679

1096

789

0

10



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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:VOLVO8770Unique No:10573110Signed:Don BaldridgeReport Date:27 Jul 2023

ppm

ppm

ppm

ppm

ppm

ppm

1145

843

1166

953

2

3

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus



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