

CONSTRUCTION EQUIPMENT VOLVO EC480EL 315166 - DIESEL ENGINE



Sample No: VCP449246

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

Job No:

VOLVO				
SAMPLE II	NFORMATION			
Sample Number	-	VCP449246	VCP415830	
Sample Date		22 Dec 2023	21 Sep 2023	
Machine Hours		1242	2223	
Oil Hours		0	2223	
Oil Changed		Changed	Changed	
Sample Status		ATTENTION	ABNORMAL	
OIL CONDI	TION			
Visc @ 100°C	cSt	12.0	▲ 11.8	
Base Number (BN)		7.4	■4.6	
Oxidation (PA)	%	79	57	
VOLVO				
CONTAMIN	NATION			
Water	%	NEG	NEG	
Soot %	%	NEG ■ 0.1	0.1	
Nitration (PA)	%	67	65	
· · ·	%	61	60	
Sulfation (PA)		NEG	NEG	
Glycol	%	<1.0		
Fuel Silicon			0.8	
Sodium	ppm	12	1	
	ppm	0		
Potassium	ppm	2	2	
VOLVO				
WEAR ME	TALS			
Iron	ppm	■8	1 8	
Copper	ppm	<u> </u>	1 37	
Lead	ppm	■0	2	
Tin	ppm	■ <1	3	
Aluminum	ppm	2	3	
Chromium	ppm	■ <1	0	
Molybdenum	ppm	45	■27	
Nickel	ppm	■<1	- <1	
Titanium	ppm	0	<1	
Silver	ppm	■ 0	0	
Manganese	ppm	■<1	2	
Vanadium	ppm	0	0	
ADDITIVE	-			
ADDITIVE	7			
Calcium	ppm	1702	□2132	
Magnesium	ppm	411	82	
Zinc	ppm	1059	1 101	
Phosphorus	ppm	■895	■898	
Barium	ppm	■ 0	0	
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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 has decreased, but is still abnormal. 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:VOLVO0090Unique No:10806374Signed:Jonathan HesterReport Date:29 Dec 2023

ppm

Boron



CONSTRUCTION EQUIPMENT





