

CONSTRUCTION EQUIPMENT

SW-25507-2 LANDMARK VOLVO EC350EL 314067 - DIESEL ENGI



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

Job No: SW-25507-2 LANDMARK

VOLVO	NFORMATION			
	NFURMATIUN			
Sample Number		VCP442155	VCP372381	
Sample Date		18 Oct 2023	10 May 2022	
Machine Hours		3845	1696	
Oil Hours		535	800	
Oil Changed		Changed	Changed	
Sample Status		ABNORMAL	ABNORMAL	
OIL COND	ITION			
Visc @ 100°C	cSt	13.2	<u> 12.4</u>	
Base Number (BN)		■ 13.2 ■ 5.5	6.7	
Oxidation (PA)	%	64	80	
Oxidation (PA)	%	64	80	
VOLVO				
CONTAMI	NATION			
Soot %	%	■ 0.1	□0.1	
Nitration (PA)	%	73	79	
Sulfation (PA)	%	56	61	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	■ 0.4	
Silicon	ppm	■ 9	■8	
Sodium	ppm	4	2	
Potassium	ppm	■ 0	0	
WEAR ME	TALC			
_				
Iron	ppm	11	9	
Copper	ppm	<u>^</u> 20	△ 64	
Lead	ppm	0	1	
Tin	ppm	■ <1	1	
Aluminum	ppm	2	2	
Chromium	ppm	■ <1	- <1	
Molybdenum	ppm	■ 5	4 7	
Nickel	ppm	■ 3	0	
Titanium	ppm	72	<1	
Silver	ppm	0	0	
Manganese	ppm	1	- <1	
Vanadium	ppm	<1	0	
VOLVO				
ADDITIVE	7			
Calcium		1900	m 1020	
Calcium	ppm	1800	■1828	

■474
■1138

994

0

37



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Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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). All other component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VOLVO8770

 Unique No:
 10711585

 Signed:
 Sean Felton

 Report Date:
 27 Oct 2023

ppm

ppm

ppm

ppm

ppm

■392

1221

901

112

0

Magnesium

Phosphorus

Zinc

Barium

Boron



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