

CONSTRUCTION EQUIPMENT VOLVO EC350EL 314575 - DIESEL ENGINE



Sample No: VCP431327

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

Oil Type:

Job No:

	FORMATION			
Sample Number		VCP431327	VCP424485	
Sample Date		18 Nov 2023	30 Sep 2023	
Machine Hours		822	586	
Oil Hours		236	586	
Oil Changed		Changed	Changed	
Sample Status		ABNORMAL	ABNORMAL	
Sumple Status		ADRONIAL	//DINOR(III)/(E	
VOLVO				
V OIL CONDI	TION			
Visc @ 100°C	cSt	A 11.9	1 0.3	
Base Number (BN)	mg KOH/g	6.6	5.9	
Oxidation (PA)	%	41	73	
	NATION			
	-			
Water	%	NEG	NEG	
Soot %	%		0.1	
Nitration (PA)	%	54	65	
Sulfation (PA)	%	46	58	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	1.2	
Silicon	ppm	11	30	
Sodium	ppm	2	4	
Potassium	ppm	2	3	
WEAR ME	TAIS			
<u> </u>		-	13	<u>.</u> .
Iron	ppm	■ 5 ▲ 86	▲ 289	
Copper	ppm			
Lead	ppm	□ <1	0	
Tin	ppm	■ <1	1	
Aluminum	ppm	1	2	
Chromium	ppm	0	0	
Molybdenum	ppm	29	62	
Nickel	ppm	□<1	0	
Titanium	ppm	0	0	
Silver	ppm	0	0	
Manganese	ppm	■ <1	4	
Vanadium	ppm	0	0	
VOLVO				
	5			
Calcium		2038	1803	
Magnesium	ppm	135	412	
Zinc	ppm	990	1300	
	ppm	894		
Phosphorus	ppm	894	1051	

0

51



CITY CARTING

221 OLD GATE LN MILFORD, CT US 06460 Contact: TAVINS BANKS tavins@citycart.net T: (203)223-3885 E-

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:
 CITMILCON

 Unique No:
 10756295

 Signed:
 Jonathan Hester

 Report Date:
 29 Nov 2023

ppm

ppm

0 🔲

15

Barium

Boron

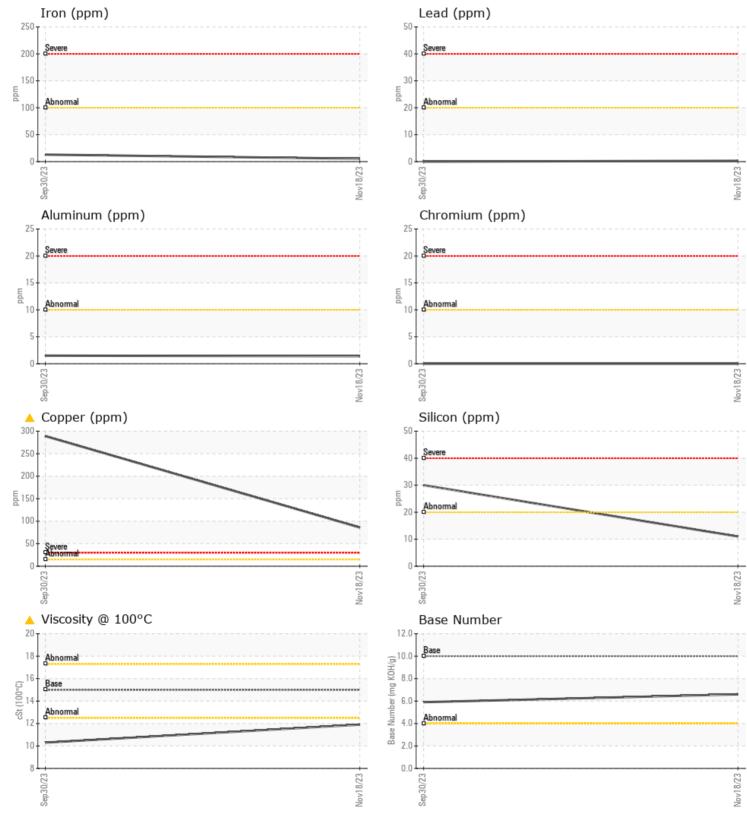
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CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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