

# 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	<b>A</b> 11.9	<b>1</b> 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	<b>11</b>	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	<b>□</b> <1	0	 
Tin	ppm	<b>■</b> <1	1	 
Aluminum	ppm	1	2	 
Chromium	ppm	<b>0</b>	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	<b>894</b>		
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

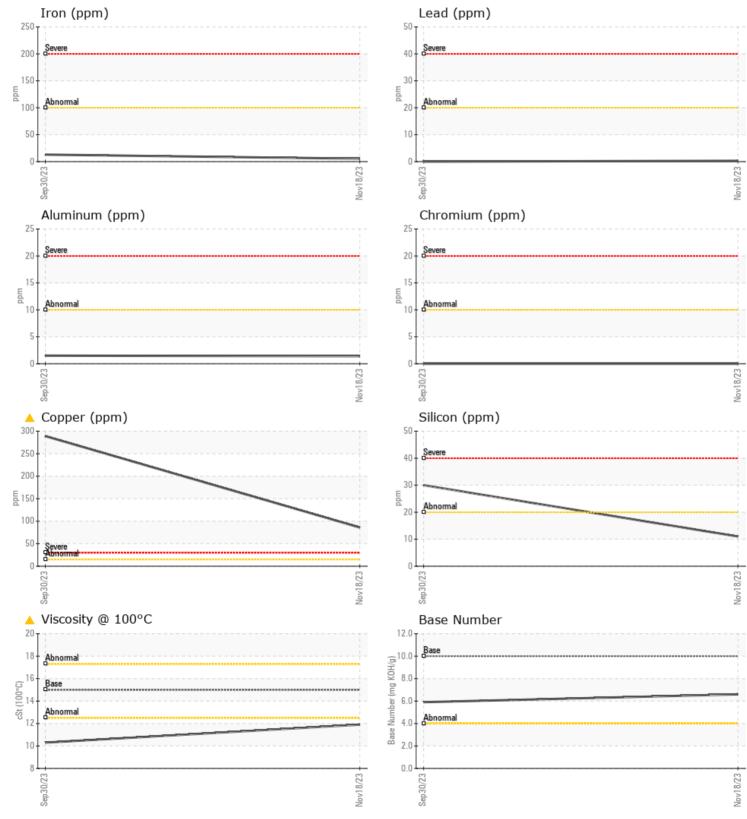
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# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: CITMILCON [WUSCAR] 06017151 (Generated: 11/30/2023 04:10:20) Rev: 1

Contact/Location: TAVINS BANKS - CITMILCON