

# CONSTRUCTION EQUIPMENT VOLVO EC480EL 311334 - DIESEL ENGINE



### Sample No: VCP383181

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

0.1	JPC.	
Job	No:	

Sample Number	NFORMATION	VCP383181	 	
Sample Date		20 Oct 2023	 	
Machine Hours		5780	 	
Oil Hours		500	 	
Oil Changed		Changed	 	
Sample Status		ATTENTION	 	
VOLVO				
VIL CONDI	TION			
Visc @ 100°C	cSt	<b>11.8</b>	 	
Base Number (BN)		9.7	 	
Oxidation (PA)	%	80	 	
VOLVO				
V CONTAMII	NATION			
Soot %	%	0.1	 	
Nitration (PA)	%	62	 	
Sulfation (PA)	%	62	 	
Glycol	%	NEG	 	
Fuel	%	1.1	 	
Silicon	ppm	5	 	
Sodium	ppm	0	 	
Potassium	ppm		 	
VOLVO				
VEAR ME	IALS			
Iron	ppm	6	 	
Copper	ppm	52	 	
Lead	ppm	<b>□</b> <1	 	
Tin	ppm	<b>□</b> <1	 	
Aluminum	ppm	<b>1</b>	 	
Chromium	ppm	■<1	 	
Molybdenum	ppm	<b>40</b>	 	
Nickel	ppm		 	
Titanium	ppm	0	 	
C11				

Manganese Vanadium

Silver

ADDITIVES							
Calcium	ppm	🔳 1591					
Magnesium	ppm	557					
Zinc	ppm	🔲 1098					
Phosphorus	ppm	927					
Barium	ppm	<b>4</b>					
Boron	ppm	26					



#### LEONARDS CONTRACTING

30850 STEPHENSON HWY MADISON HEIGHTS, MI US 48071 Contact: LARRY SCHRADE larry.schrade@sdevelop.com T: (810)499-1953 F: x:

## 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. Fuel content negligible. 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:
 LEOMAD

 Unique No:
 10724923

 Signed:
 Jonathan Hester

 Report Date:
 07 Nov 2023

**||** < 1

0 🔲

0

ppm

ppm

ppm

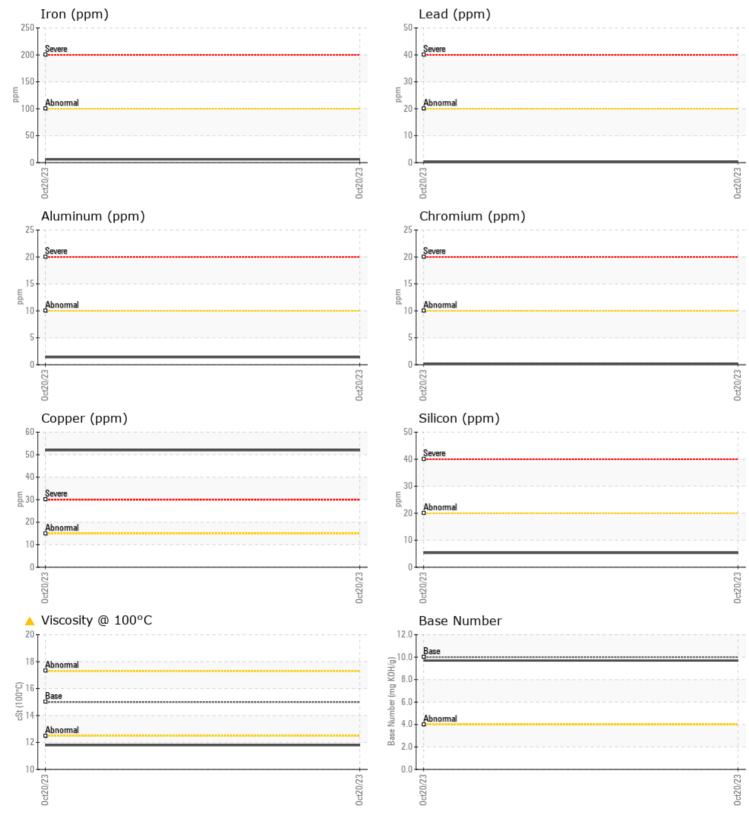
Contact/Location: LARRY SCHRADE - LEOMAD

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Contact/Location: LARRY SCHRADE - LEOMAD