

# CONSTRUCTION EQUIPMENT VOLVO EC220EL 314575 - DIESEL ENGINE



#### Sample No: VCP400664

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

**Oil Type:** 

#### Job No:

Sample Number	-	VCP400664	 	
Sample Date		19 Oct 2023	 	
Machine Hours		2405	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDI				
	_			
Visc @ 100°C	cSt	13.7	 	
Base Number (BN)	mg KOH/g	6.2	 	
Oxidation (PA)	%	57	 	
	-			-
Soot %	%	∎0.1	 	
Nitration (PA)	%	78	 	
Sulfation (PA)	%	52	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	7	 	
Sodium	ppm	3	 	
Potassium	ppm	<b>1</b>	 	



WEAR METALS								
Iron	ppm	7						
Copper	ppm	<b>■</b> <1						
Lead	ppm	∎1						
Tin	ppm	2						
Aluminum	ppm	<b>4</b>						
Chromium	ppm	<b>□</b> <1						
Molybdenum	ppm	88						
Nickel	ppm							
Titanium	ppm	0						
Silver	ppm	<b>  </b> <1						
Manganese	ppm	<b>□</b> <1						
Vanadium	ppm	<1						

ADDITIVES								
ppm	2351							
ppm	29							
ppm	1384							
ppm	1123							
ppm	0							
ppm	30							
	ppm ppm ppm ppm	ppm  29    ppm  1384    ppm  1123    ppm  0	ppm  29     ppm  1384     ppm  1123     ppm  0	ppm  29      ppm  1384      ppm  1123      ppm  0				



#### ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com T: F: (239)481-3302

### Diagnosis

Resample at the next service interval to monitor.All 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 suitable for further service.

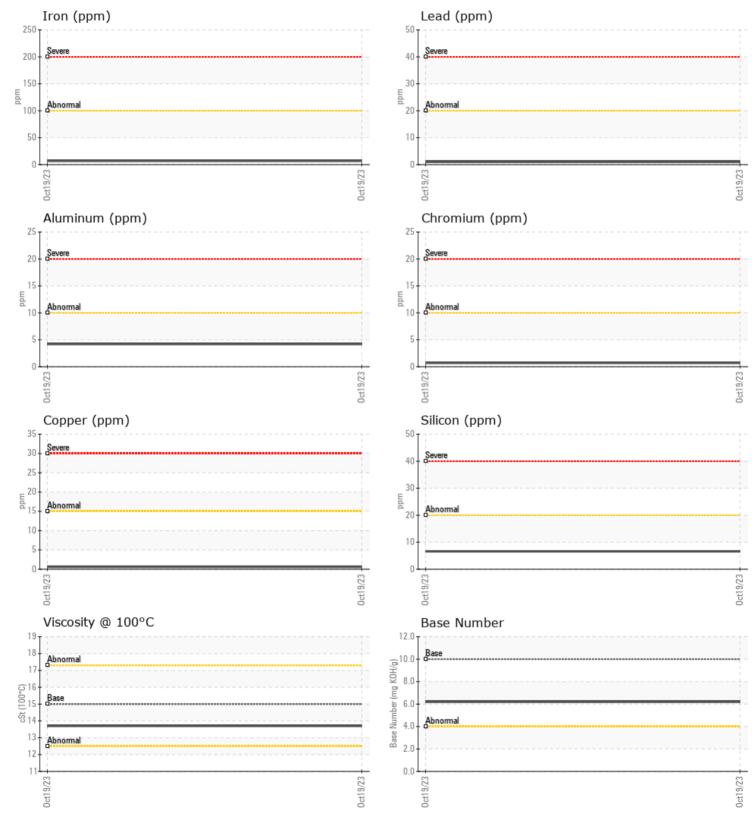
Depot: VOLVO0090 Unique No: 10708809 Signed: Wes Davis Report Date: 24 Oct 2023

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO0090 [WUSCAR] 05986147 (Generated: 10/25/2023 13:12:47) Rev: 1

Contact/Location: TODD LARK - VOLVO0090