

## **CONSTRUCTION EQUIPMENT** VOLVO EC220EL 315670 - DIESEL ENGINE



#### Sample No: VCP435538

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

**Oil Type:** 

#### Job No:

VOLVO					
	FORMATION				
Sample Number		VCP435538	VCP433588	 	
Sample Date		13 Feb 2024	03 Nov 2023	 	
Machine Hours		1394	582	 	
Oil Hours		0	0	 	
Oil Changed		Changed	Changed	 	
Sample Status		ATTENTION	NORMAL	 	
OIL CONDI	TION				
Visc @ 100°C	cSt	<b>12.0</b>	12.9	 	
Base Number (BN)		5.4	5.9	 	
Oxidation (PA)	%	65	53	 	
	-				
VOLVO					
CONTAMIN	-				
Water	%	NEG	NEG	 	
Soot %	%	<b>0.1</b>	0.1	 	
Nitration (PA)	%	64	58	 	
Sulfation (PA)	%	55	56	 	
Glycol	%	NEG	NEG	 	
Fuel	%	0.6	<1.0	 	
Silicon	ppm	<b>10</b>	15	 	
Sodium	ppm	3	0	 	
Potassium	ppm	2	3	 	
VOLVO	TALC				
WEAR ME	IALS			-	
Iron	ppm	<b>1</b> 0	16	 	
Copper	ppm	2	8	 	
Lead	ppm	2	2	 	
Tin	ppm	■ <1	2	 	
Aluminum	ppm	4	2	 	
Chromium	ppm	■ <1	□ <1	 	
Molybdenum	ppm	<b>114</b>	32	 	
Nickel	ppm	<b>□</b> <1	4	 	
Titanium	ppm	<1	<1	 	
Silver	ppm	0	0	 	
Manganese	ppm	0	2	 	
Vanadium	ppm	0	0	 	
VOLVO				 	
	5				
Calcium	ppm	1752	1823	 	
Magnesium	ppm	522	180	 	
Zinc	ppm	1592	1073	 	
Phosphorus	ppm	1355	977	 	
Barium	ppm	<b>10</b>	6	 	
D	I- I <sup>2</sup>	- 225	00		

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#### TA EQUIPMENT COMPANY

151 DR MARTIN LUTHER KING BLVD ORT MYERS, FL 33905 ntact: TODD LARK ark@altaequipfl.com (239)481-3302

### iagnosis

Dil and filter change at the time of ampling has been noted. Resample the next service interval to nonitor.All component wear rates re normal. Fuel content negligible. here is no indication of any ontamination in the oil. The oil iscosity is lower than normal. The N result indicates that there is uitable alkalinity remaining in the oil. Confirm oil type.

Depot: VOLVO0090 Unique No: 10885588 Signed: Jonathan Hester Report Date: 22 Feb 2024

Contact/Location: TODD LARK - VOLVO0090

225

ppm

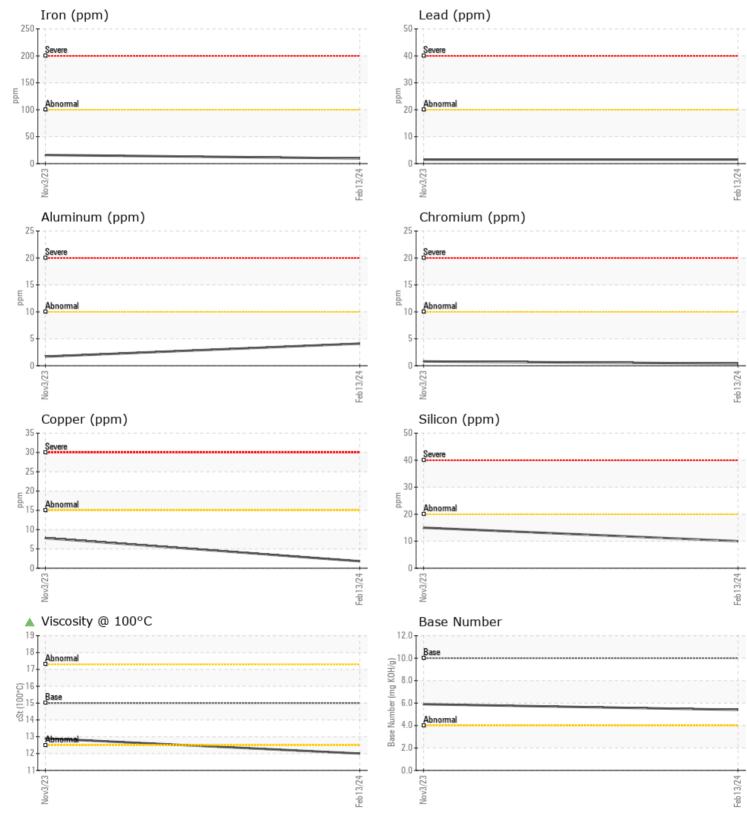
Boron

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO0090 [WUSCAR] 06092735 (Generated: 02/22/2024 09:08:39) Rev: 1

Contact/Location: TODD LARK - VOLVO0090