

# CONSTRUCTION EQUIPMENT VOLVO EC300EL 313114 - DIESEL ENGINE



### Sample No: VCP439042

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

Oil Type:

#### Job No:

Zinc

Barium

Boron

Phosphorus

	FORMATION			-
Sample Number		VCP439042	VCP422034	 
Sample Date		09 Jan 2024	12 Jun 2023	 
Machine Hours		2112	1631	 
Oil Hours		0	0	 
Oil Changed		Changed	Changed	 
Sample Status		NORMAL	NORMAL	 
OIL CONDI	TION			
Visc @ 100°C	cSt	12.6	13.3	 
Base Number (BN)	mg KOH/g	9.6	9.2	 
Oxidation (PA)	%	81	86	 
	IATION			
Water	%	NEG	NEG	 
Soot %	%	0.2	0.3	 
Nitration (PA)	%	63	78	 
Sulfation (PA)	%	59	64	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	<1.0	 
Silicon	ppm	9	14	 
Sodium	ppm	<b>■</b> <1	4	 
Potassium	ppm	6	18	 
WEAR ME	TALS			
Iron	ppm	6	19	 
Copper	ppm	2	8	 
Lead	ppm	<b>  </b> <1	0	 
Tin	ppm	<b>■</b> <1	2	 
Aluminum	ppm	6	7	 
Chromium	ppm		□ <1	 
Molybdenum	ppm	64	47	 
Nickel	ppm	2	<b></b> <1	 
Titanium	ppm	<1	<1	 
Silver	ppm	<b>□</b> <1	0	 
Manganese	ppm	<b></b> <1	□ <1	 
Vanadium	ppm	<1	<1	 
		<b>1622</b>	<b>—</b> 1027	
Calcium	ppm		1927	 
Magnesium	ppm	546	472	 

1166

943

0

22



#### 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:
 VOLV00090

 Unique No:
 10830449

 Signed:
 Wes Davis

 Report Date:
 12 Jan 2024

1172

920

0 🔲

23

ppm

ppm

ppm

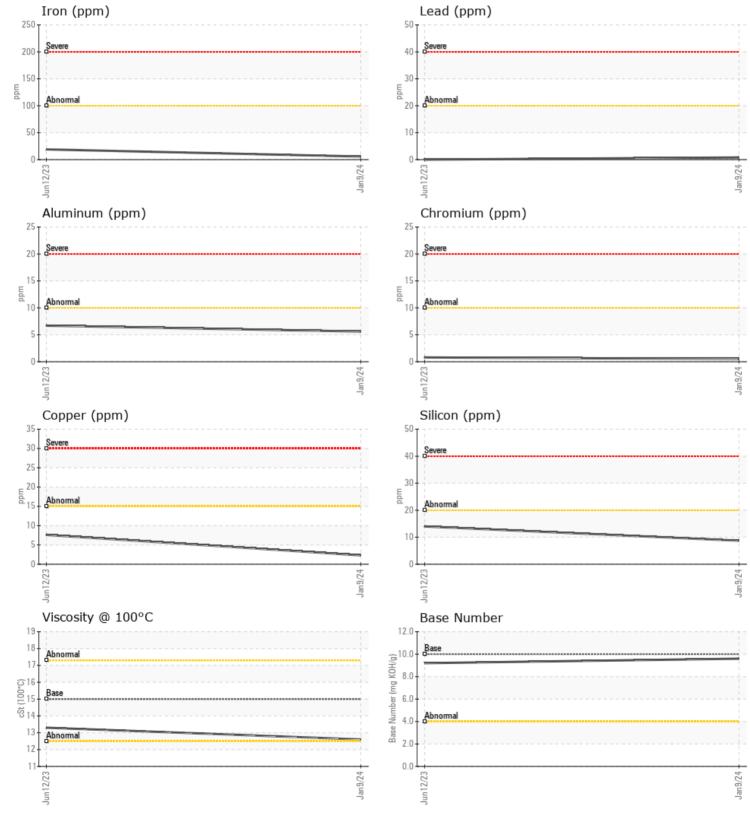
ppm

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO0090 [WUSCAR] 06059067 (Generated: 01/12/2024 17:33:28) Rev: 1

Contact/Location: TODD LARK - VOLVO0090