

CONSTRUCTION EQUIPMENT VOLVO EC220EL 314469 - DIESEL ENGINE

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3



Sample No: VCP425015

Oil Type:

Job No:

Titanium

Manganese

Vanadium

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

Silver

ppm

ADDITIVES

Sample Number	INFORMATION	VCP425015	VCP354461	
Sample Date		15 Aug 2023	07 Jul 2022	
Machine Hours		931	334	
Oil Hours		500	334	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	NORMAL	
			HORIN (E	
OIL COND	ITION			
Visc @ 100°C	cSt	13.3	13.5	
Base Number (BN)		8.7	7.7	
Oxidation (PA)	%	53	43	
CONTAMI	NATION			
Soot %	%	0.1	0.1	
Nitration (PA)	%	43	66	
Sulfation (PA)	%	48	50	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	< 1.0	
Silicon	ppm	3	15	
Sodium	ppm	2	2	
Potassium	ppm	 <1	4	
	-			
WEAR MI				
Iron	ppm	5	20	
Copper	ppm	■<1	8	
Lead	ppm	0	□ <1	
Tin	ppm		2	
Aluminum	ppm	0	4	
Chromium	ppm	■ <1	2	
Molybdenum	ppm	62	3	
Nickel	ppm	0	4	

<1

0

0

2307

64

1071

912

0

3

4



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC

3418 PALM RIVER ROAD TAMPA, FL JS 33619 Contact: KENNY HANEY <haney@flaglerce.com T: (813)630-0077 F: (813)630-2233

Diagnosis

Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. 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:
 VOLVO0093

 Unique No:
 10609105

 Signed:
 Wes Davis

 Report Date:
 21 Aug 2023

<1

0

- <1

<1

1897

423

1281 🔲

1064

0 🔲

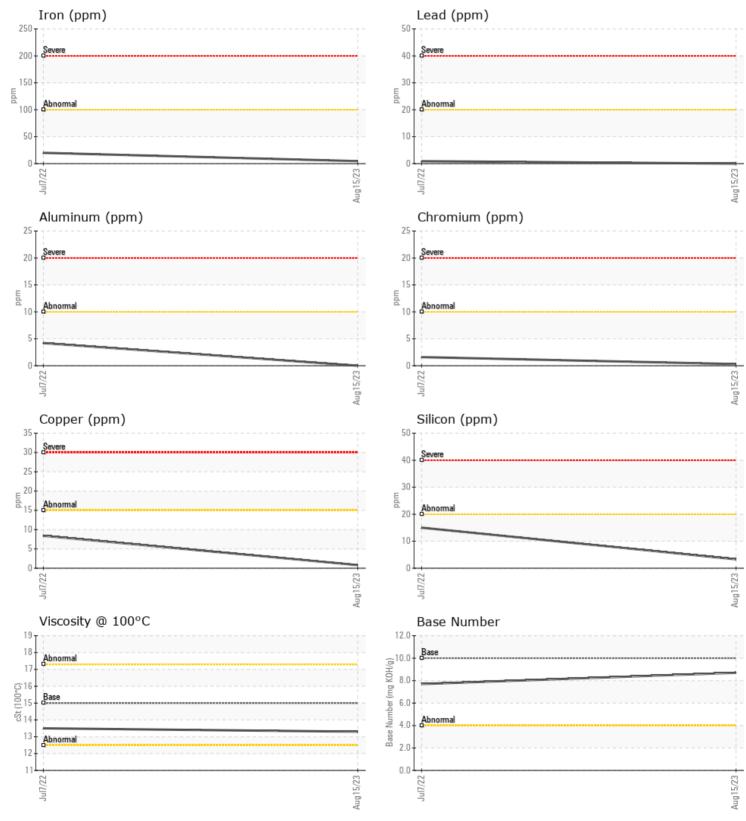
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CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO0093 [WUSCAR] 05929158 (Generated: 08/24/2023 15:59:41) Rev: 1

Contact/Location: KENNY HANEY - VOLVO0093