

## **CONSTRUCTION EQUIPMENT** VOLVO EC220EL 314125 - DIESEL ENGINE



Sample No: VCP423886

Oil Type: DIESEL ENGINE OIL SAE 40

Job No:

	FORMATION				
Sample Number		VCP423886	VCP0004984		
Sample Date		03 May 2024	21 Nov 2022		
Machine Hours		2689	0		
Oil Hours		0	0		
Oil Changed		Changed	Changed		
Sample Status		NORMAL	NORMAL		
Sample Status		NORMAL	NORMAL		
VOLVO					
VIL CONDI	TION				
Visc @ 100°C	cSt	12.6	12.8		
Base Number (BN)	mg KOH/g	7.0	10.9		
Oxidation (PA)	%	59	86		
CONTAMIN					
Contamin	-				
Water	%	NEG	NEG		
Soot %	%	0.4	0.1		
Nitration (PA)	%	56	67		
Sulfation (PA)	%	56	63		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	<1.0		
Silicon	ppm	7	14		
Sodium	ppm	2	3		
Potassium	ppm	3	1		
WEAR ME	ταις				
<u> </u>				<u>.</u>	
ron	ppm	25	62		
Copper	ppm	3	3		
_ead	ppm	■ <1	□ <1		
Tin .	ppm	■ <1	2		
Aluminum	ppm	3	5		
Chromium	ppm	0	2		
Molybdenum	ppm	■77	37		
Nickel	ppm	<b>1</b>	4		
Fitanium	ppm	2	<1		
Silver	ppm	<b>0</b>	0		
Manganese	ppm	■ <1	1		
/anadium	ppm	0	<1		
VOLVO					
	5				
Calcium		<b>1246</b>	1637		
Magnesium	ppm	425	536		
Zinc	ppm	1104	909		
	ppm		742		
Phosphorus Barium	ppm	943			
Barium Boron	ppm	0	0		
00000	ppm	382	43		



117 - ASCENDUM MACHINERY INC - GREENVILLE 2002 N GREENE ST GREENVILLE, NC US 27834 Contact: GREG SUGGS

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## Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

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:
 VOLV08769

 Unique No:
 11050449

 Signed:
 Wes Davis

 Report Date:
 30 May 2024

Report Id: VOLVO8769 [WUSCAR] 06193697 (Generated: 05/30/2024 15:46:23) Rev: 1

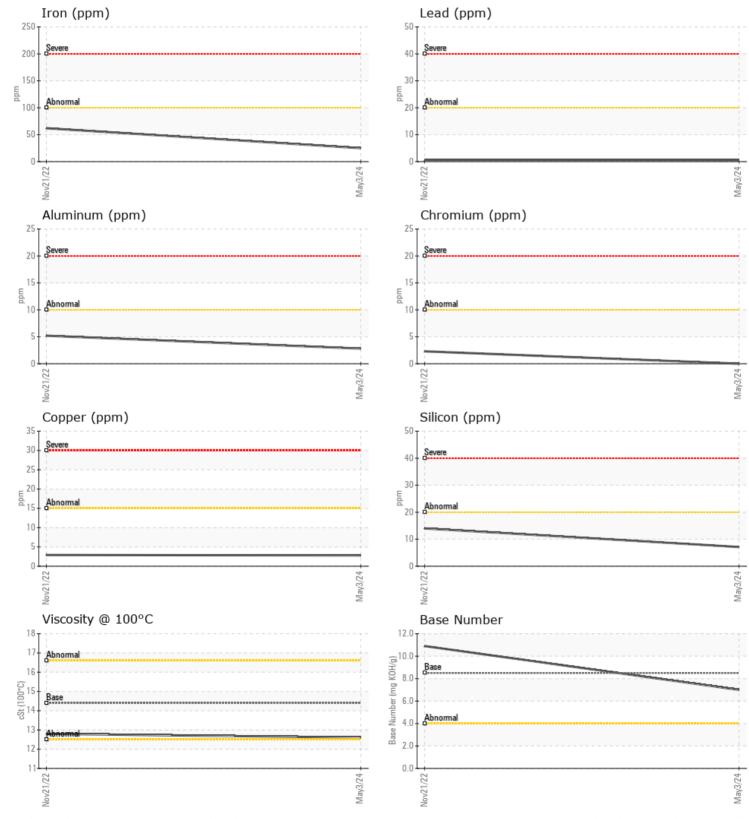
Contact/Location: GREG SUGGS - VOLVO8769

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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