

### **CONSTRUCTION EQUIPMENT** SENNEBOGEN 830 830.0.1477 - DIESEL ENGINE

VOLVO VDS-4.5 Premium Motor Oil 15W40



### Sample No: VCP0007092

Oil Type:
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### Job No:

	FORMATION			
Sample Number		VCP0007092	VCP0002984	 
Sample Date		11 Jan 2023	26 Jul 2022	 
Machine Hours		12675	12056	 
Oil Hours		619	12056	 
Oil Changed		Changed	Changed	 
Sample Status		NORMAL	NORMAL	 
OIL CONDI	-		<u>.</u>	
Visc @ 100°C	cSt	<b>14.3</b>	15.3	 
Base Number (BN)	mg KOH/g	8.0	8.0	 
Oxidation (PA)	%	94	106	 
CONTAMI	-			 
Soot %	%	<b>1.8</b>	2.3	 
Nitration (PA)	%	103	121	 
Sulfation (PA)	%	73	87	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	< 1.0	 

# ?

#### COMMERCIAL METALS COMPANY

410 ATANDO AVE CHARLOTTE, NC US 28206 Contact: JOHN PELOSO john.peloso@cmc.com T: (813)613-5034 F:

### 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.

Potassium

ppm

ppm

**4** 

1

Sodium

WEAR I	METALS			
Iron	ppm	<b>4</b> 5	47	 
Copper	ppm	2	2	 
Lead	ppm	□<1	2	 
Tin	ppm		□ <1	 
Aluminum	ppm	5	5	 
Chromium	ppm	3	3	 
Molybdenum	ppm	70	84	 
Nickel	ppm		□ <1	 
Titanium	ppm	<1	0	 
Silver	ppm	□<1	<1	 
Manganese	ppm	□<1	< 1	 
Vanadium	ppm	<1	0	 

2

0

vanadi

ADDITI	VES				
Calcium	ppm	1815	1500	 	
Magnesium	ppm	575	807	 	
Zinc	ppm	<b>1252</b>	1265	 	
Phosphorus	ppm	<b>1005</b>	971	 	
Barium	ppm	<b>1</b>	0	 	
Boron	ppm	<b>76</b>	97	 	

 Depot:
 COMCHAVC

 Unique No:
 10307146

 Signed:
 Wes Davis

 Report Date:
 25 Jan 2023

Submitted By: CHRISTOPHER CANIPE

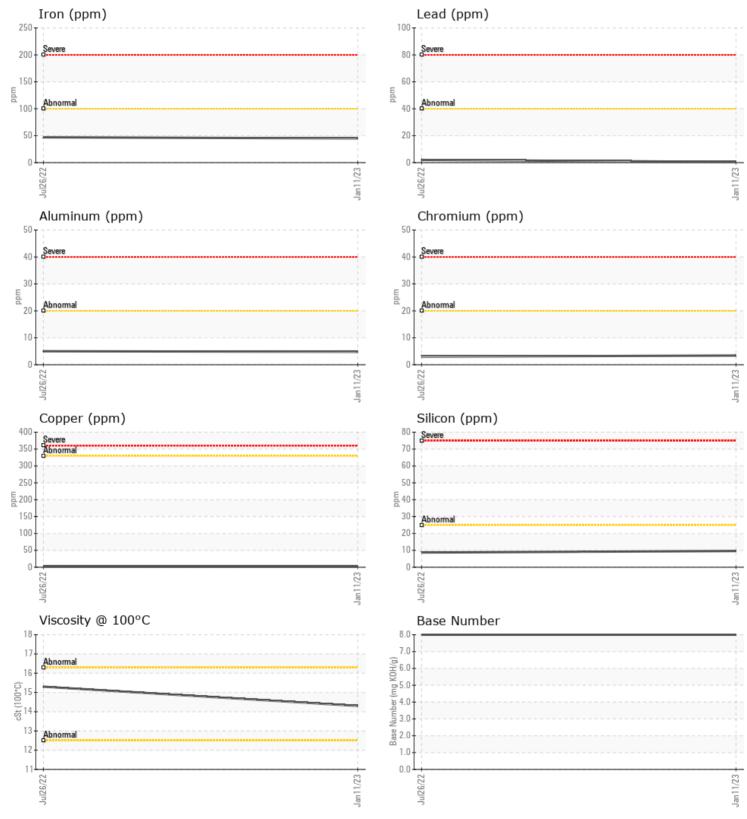
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## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Submitted By: CHRISTOPHER CANIPE