

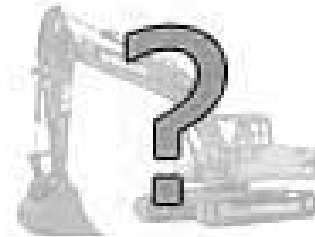


# CONSTRUCTION EQUIPMENT

## SENNEBOGEN 830 830.0.1477 - DIESEL ENGINE



**Sample No:** VCP398020  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP398020</b>	VCP0007092	VCP0002984	---
Sample Date	<b>19 Jun 2023</b>	11 Jan 2023	26 Jul 2022	---
Machine Hours	<b>13190</b>	12675	12056	---
Oil Hours	<b>600</b>	619	12056	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

### COMMERCIAL METALS COMPANY

410 ATANDO AVE  
 CHARLOTTE, NC  
 US 28206

Contact: JOHN PELOSO  
 john.peloso@cmc.com  
 T: (813)613-5034  
 F:



### OIL CONDITION

Visc @ 100°C	cSt	<b>13.8</b>	14.3	15.3	---
Base Number (BN)	mg KOH/g	<b>8.4</b>	8.0	8.0	---
Oxidation (PA)	%	<b>87</b>	94	106	---

### 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.



### CONTAMINATION

Soot %	%	<b>1.6</b>	1.8	2.3	---
Nitration (PA)	%	<b>101</b>	103	121	---
Sulfation (PA)	%	<b>71</b>	73	87	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	---
Silicon	ppm	<b>9</b>	10	9	---
Sodium	ppm	<b>3</b>	4	2	---
Potassium	ppm	<b>3</b>	1	0	---



### WEAR METALS

Iron	ppm	<b>31</b>	45	47	---
Copper	ppm	<b>2</b>	2	2	---
Lead	ppm	<b>&lt;1</b>	<1	2	---
Tin	ppm	<b>&lt;1</b>	<1	<1	---
Aluminum	ppm	<b>2</b>	5	5	---
Chromium	ppm	<b>2</b>	3	3	---
Molybdenum	ppm	<b>33</b>	70	84	---
Nickel	ppm	<b>&lt;1</b>	<1	<1	---
Titanium	ppm	<b>&lt;1</b>	<1	0	---
Silver	ppm	<b>0</b>	<1	<1	---
Manganese	ppm	<b>&lt;1</b>	<1	<1	---
Vanadium	ppm	<b>&lt;1</b>	<1	0	---



### ADDITIVES

Calcium	ppm	<b>1775</b>	1815	1500	---
Magnesium	ppm	<b>400</b>	575	807	---
Zinc	ppm	<b>1164</b>	1252	1265	---
Phosphorus	ppm	<b>924</b>	1005	971	---
Barium	ppm	<b>0</b>	1	0	---
Boron	ppm	<b>44</b>	76	97	---

**Depot:** COMCHAVC  
**Unique No:** 10537682  
**Signed:** Jonathan Hester  
**Report Date:** 03 Jul 2023

Submitted By: CHRISTOPHER CANIPE



# CONSTRUCTION EQUIPMENT



## GRAPHS

