

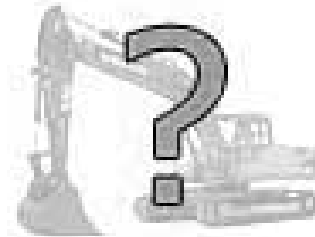


# CONSTRUCTION EQUIPMENT

## SENNEBOGEN 830E 830.0.2813 - DIESEL ENGINE



**Sample No:** VCP327408  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP327408</b>	VCP400830	VCP381088	VCP355242
Sample Date	<b>25 Nov 2023</b>	14 Mar 2023	12 Nov 2022	29 Sep 2022
Machine Hours	<b>11557</b>	9718	8789	8445
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**UNITED SCRAP**  
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### OIL CONDITION

Visc @ 100°C	cSt	<b>13.0</b>	12.8	13.2	13.3
Base Number (BN)	mg KOH/g	<b>8.1</b>	8.4	11.5	7.8
Oxidation (PA)	%	<b>66</b>	67	85	57

### 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

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0.2</b>	0.2	0.2	0.2
Nitration (PA)	%	<b>64</b>	65	61	76
Sulfation (PA)	%	<b>55</b>	57	64	54
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>3</b>	5	3	3
Sodium	ppm	<b>0</b>	2	0	0
Potassium	ppm	<b>0</b>	1	2	0

### WEAR METALS

Iron	ppm	<b>4</b>	6	6	4
Copper	ppm	<b>0</b>	<1	<1	<1
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>1</b>	2	2	1
Chromium	ppm	<b>0</b>	<1	0	<1
Molybdenum	ppm	<b>66</b>	39	21	41
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>0</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>1268</b>	1898	2317	2279
Magnesium	ppm	<b>818</b>	328	149	55
Zinc	ppm	<b>1284</b>	1096	1103	1118
Phosphorus	ppm	<b>1077</b>	910	929	943
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>17</b>	53	20	29

**Depot:** UNICICIL  
**Unique No:** 10802540  
**Signed:** Wes Davis  
**Report Date:** 22 Dec 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

