

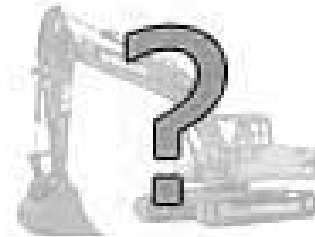


# CONSTRUCTION EQUIPMENT

## SENNEBOGEN 825 825.0.3246 - DIESEL ENGINE



**Sample No:** VCP410294  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP410294</b>	VCP377276	VCP367679	VCP377150
Sample Date	<b>17 Nov 2023</b>	28 Dec 2022	25 Nov 2022	22 Oct 2022
Machine Hours	<b>7158</b>	3952	3675	22988
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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 CICERO, IL  
 US 60804  
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### OIL CONDITION

Visc @ 100°C	cSt	<b>13.0</b>	13.2	13.2	13.5
Base Number (BN)	mg KOH/g	<b>8.0</b>	9.7	10.4	7.7
Oxidation (PA)	%	<b>67</b>	71	64	50

### 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>0.1</b>	0.1	0.5	0.1
Nitration (PA)	%	<b>63</b>	56	62	64
Sulfation (PA)	%	<b>56</b>	58	61	52
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>3</b>	4	3	3
Sodium	ppm	<b>2</b>	2	0	2
Potassium	ppm	<b>&lt;1</b>	0	2	1



### WEAR METALS

Iron	ppm	<b>3</b>	5	5	6
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>0</b>	<1	<1	<1
Aluminum	ppm	<b>1</b>	<1	2	2
Chromium	ppm	<b>0</b>	<1	0	<1
Molybdenum	ppm	<b>69</b>	37	36	18
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	<1	2
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>1721</b>	1933	2142	2268
Magnesium	ppm	<b>492</b>	411	249	48
Zinc	ppm	<b>1294</b>	1138	1088	1067
Phosphorus	ppm	<b>940</b>	920	912	872
Barium	ppm	<b>0</b>	0	<1	2
Boron	ppm	<b>39</b>	51	60	16

**Depot:** UNICICIL  
**Unique No:** 10755225  
**Signed:** Wes Davis  
**Report Date:** 27 Nov 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

