

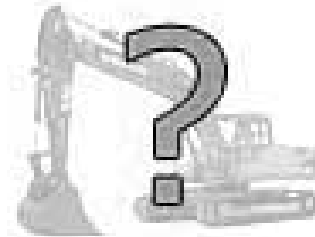


# CONSTRUCTION EQUIPMENT

## SENNEBOGEN 825 825.0.3463 - DIESEL ENGINE



**Sample No:** VCP382893  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP382893</b>	VCP327363	VCP382960	VCP367708
Sample Date	<b>29 Jun 2023</b>	27 May 2023	06 Mar 2023	24 Jan 2023
Machine Hours	<b>12520</b>	12084	11102	10657
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

1545 S CICERO AVE  
 CICERO, IL  
 US 60804  
 Contact: RON LUCHTENBURG  
 rluchten@unitedscrap.com  
 T:  
 F:



### OIL CONDITION

Visc @ 100°C	cSt	<b>13.7</b>	13.1	13.1	13.0
Base Number (BN)	mg KOH/g	<b>6.5</b>	9.0	6.8	8.0
Oxidation (PA)	%	<b>89</b>	101	51	64

### 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	0.1	0.2
Nitration (PA)	%	<b>88</b>	74	68	63
Sulfation (PA)	%	<b>63</b>	69	51	54
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>5</b>	4	5	20
Sodium	ppm	<b>&lt;1</b>	2	2	2
Potassium	ppm	<b>&lt;1</b>	<1	2	2



### WEAR METALS

Iron	ppm	<b>4</b>	7	6	8
Copper	ppm	<b>0</b>	<1	<1	<1
Lead	ppm	<b>0</b>	0	0	2
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>2</b>	0	2	1
Chromium	ppm	<b>0</b>	<1	<1	<1
Molybdenum	ppm	<b>77</b>	40	20	23
Nickel	ppm	<b>0</b>	<1	<1	<1
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	<1	<1



### ADDITIVES

Calcium	ppm	<b>2057</b>	1793	2275	2079
Magnesium	ppm	<b>243</b>	477	59	253
Zinc	ppm	<b>1256</b>	1161	1103	1121
Phosphorus	ppm	<b>1048</b>	918	884	902
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>59</b>	49	22	30

**Depot:** UNICICIL  
**Unique No:** 10802532  
**Signed:** Wes Davis  
**Report Date:** 22 Dec 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

