

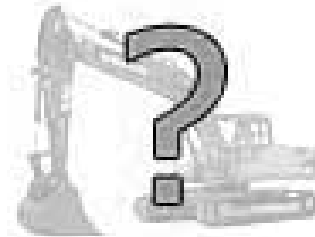


# CONSTRUCTION EQUIPMENT

## SENNEBOGEN 830E 830.0.2726 - DIESEL ENGINE



**Sample No:** VCP436009  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP436009</b>	VCP370267	VCP380653	VCP355240
Sample Date	<b>18 Nov 2023</b>	11 Jan 2023	07 Dec 2022	29 Sep 2022
Machine Hours	<b>11268</b>	8763	8454	7912
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>13.6</b>	12.8	13.0	14.1
Base Number (BN)	mg KOH/g	<b>7.9</b>	9.6	10.3	7.4
Oxidation (PA)	%	<b>87</b>	78	66	73

### 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	1.5	0.2
Nitration (PA)	%	<b>80</b>	64	82	88
Sulfation (PA)	%	<b>63</b>	61	62	61
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>3</b>	6	3	3
Sodium	ppm	<b>2</b>	2	0	<1
Potassium	ppm	<b>0</b>	<1	2	0



### WEAR METALS

Iron	ppm	<b>6</b>	6	10	5
Copper	ppm	<b>&lt;1</b>	<1	2	<1
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>1</b>	0	2	2
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>70</b>	34	24	67
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>1816</b>	1773	2375	2338
Magnesium	ppm	<b>533</b>	365	185	64
Zinc	ppm	<b>1396</b>	1059	1148	1225
Phosphorus	ppm	<b>1013</b>	867	951	1016
Barium	ppm	<b>0</b>	0	1	0
Boron	ppm	<b>40</b>	42	23	44

**Depot:** UNICICIL  
**Unique No:** 10755187  
**Signed:** Wes Davis  
**Report Date:** 27 Nov 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

