

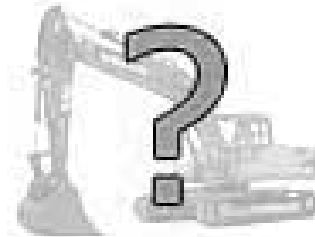


# CONSTRUCTION EQUIPMENT

## SENNEBOGEN 830E 830.0.2726 - DIESEL ENGINE



**Sample No:** VCP327412  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP327412</b>	VCP436009	VCP406645	VCP370267
Sample Date	<b>13 Dec 2023</b>	18 Nov 2023	21 Jul 2023	11 Jan 2023
Machine Hours	<b>11900</b>	11268	10523	8763
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  
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### OIL CONDITION

Visc @ 100°C	cSt	<b>13.5</b>	13.6	13.7	12.8
Base Number (BN)	mg KOH/g	<b>8.8</b>	7.9	7.1	9.6
Oxidation (PA)	%	<b>74</b>	87	74	78

### 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>	0.2	0.2	0.2
Nitration (PA)	%	<b>66</b>	80	81	64
Sulfation (PA)	%	<b>59</b>	63	58	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>	3	11	6
Sodium	ppm	<b>0</b>	2	0	2
Potassium	ppm	<b>0</b>	0	0	<1



### WEAR METALS

Iron	ppm	<b>4</b>	6	3	6
Copper	ppm	<b>0</b>	<1	0	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>1</b>	1	2	0
Chromium	ppm	<b>0</b>	<1	0	0
Molybdenum	ppm	<b>62</b>	70	78	34
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	0	<1
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>1217</b>	1816	2105	1773
Magnesium	ppm	<b>917</b>	533	144	365
Zinc	ppm	<b>1335</b>	1396	1277	1059
Phosphorus	ppm	<b>1101</b>	1013	1083	867
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>12</b>	40	50	42

**Depot:** UNICICIL  
**Unique No:** 10802545  
**Signed:** Wes Davis  
**Report Date:** 22 Dec 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

