



# CONSTRUCTION EQUIPMENT

## SENNEBOGEN 825M 825.0.2298 - DIESEL ENGINE



**Sample No:** VCP327409  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP327409</b>	VCP406654	VCP380667	VCP382952
Sample Date	<b>20 Nov 2023</b>	10 Jul 2023	13 May 2023	18 Mar 2023
Machine Hours	<b>21537</b>	19986	19245	18625
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>14.0</b>	14.3	13.8	14.0
Base Number (BN)	mg KOH/g	<b>9.1</b>	7.9	9.8	7.9
Oxidation (PA)	%	<b>66</b>	65	85	61

### 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>0.7</b>	0.7	0.8	1
Nitration (PA)	%	<b>66</b>	79	69	73
Sulfation (PA)	%	<b>58</b>	57	68	59
Glycol	%	<b>NEG</b>	NEG	NEG	0.0
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>3</b>	5	5	4
Sodium	ppm	<b>0</b>	<1	3	2
Potassium	ppm	<b>0</b>	0	0	2



### WEAR METALS

Iron	ppm	<b>10</b>	7	12	16
Copper	ppm	<b>0</b>	0	0	<1
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	3	2	2
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>68</b>	84	38	17
Nickel	ppm	<b>0</b>	<1	0	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	0	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>1298</b>	2220	1930	2299
Magnesium	ppm	<b>881</b>	167	462	184
Zinc	ppm	<b>1339</b>	1306	1167	1142
Phosphorus	ppm	<b>1097</b>	1114	915	913
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>13</b>	45	44	16

**Depot:** UNICICIL  
**Unique No:** 10802535  
**Signed:** Wes Davis  
**Report Date:** 22 Dec 2023



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## GRAPHS

