



# CONSTRUCTION EQUIPMENT

## SPM688428 SENNEBOGEN 835M 835.0.3000 - FRONT RIGHT FINAL DRIVE



**Sample No:** VCP427243  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM688428



### SAMPLE INFORMATION

Sample Number	<b>VCP427243</b>	VCP433299	VCP399744	VCP345153
Sample Date	<b>22 Mar 2024</b>	26 Oct 2023	21 Mar 2023	06 Jul 2022
Machine Hours	<b>4647</b>	4088	2502	545
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	ABNORMAL

**BELSON STEEL**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>143</b>	145	194	182
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>4</b>	3	24	3
Sodium	ppm	<b>2</b>	2	<1	8
Potassium	ppm	<b>0</b>	0	1	<1

### 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 condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>134</b>	163	39	193
Copper	ppm	<b>32</b>	▲ 99	9	▲ 345
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>1</b>	2	1	11
Chromium	ppm	<b>&lt;1</b>	<1	<1	2
Molybdenum	ppm	<b>0</b>	0	2	<1
Nickel	ppm	<b>0</b>	0	<1	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>3</b>	5	<1	18
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>63</b>	195	2347	46
Magnesium	ppm	<b>0</b>	0	29	1
Zinc	ppm	<b>35</b>	142	1015	304
Phosphorus	ppm	<b>473</b>	478	985	1088
Barium	ppm	<b>0</b>	18	34	294
Boron	ppm	<b>5</b>	0	0	3

**Depot:** BELBOU  
**Unique No:** 10990311  
**Signed:** Wes Davis  
**Report Date:** 22 Apr 2024



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## GRAPHS

