



# CONSTRUCTION EQUIPMENT

## SENNEBOGEN 835ME 835.0.3070 - FRONT RIGHT FINAL DRIVE



**Sample No:** VCP433803  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP433803</b>	VCP411400	VCP402112	---
Sample Date	<b>11 Jan 2024</b>	11 Aug 2023	20 Mar 2023	---
Machine Hours	<b>3166</b>	2080	1076	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	ABNORMAL	ABNORMAL	---

### BELSON STEEL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>176</b>	151	184	---
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### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	<b>16</b>	5	4	---
Sodium	ppm	<b>4</b>	10	10	---
Potassium	ppm	<b>&lt;1</b>	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>144</b>	214	63	---
Copper	ppm	<b>37</b>	▲ 80	▲ 60	---
Lead	ppm	<b>0</b>	<1	0	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>2</b>	3	3	---
Chromium	ppm	<b>&lt;1</b>	2	<1	---
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	---
Nickel	ppm	<b>0</b>	<1	<1	---
Titanium	ppm	<b>&lt;1</b>	<1	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>4</b>	8	7	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>1776</b>	33	25	---
Magnesium	ppm	<b>37</b>	0	2	---
Zinc	ppm	<b>737</b>	58	81	---
Phosphorus	ppm	<b>912</b>	1369	1264	---
Barium	ppm	<b>30</b>	111	233	---
Boron	ppm	<b>19</b>	32	0	---

**Depot:** BELBOU  
**Unique No:** 10900238  
**Signed:** Jonathan Hester  
**Report Date:** 29 Feb 2024



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## GRAPHS

