



# CONSTRUCTION EQUIPMENT

SPM660156 SENNEBOGEN 835ME 835.0.3070 - FRONT LEFT FINAL DRIVE



**Sample No:** VCP421626  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM660156



## SAMPLE INFORMATION

Sample Number	<b>VCP421626</b>	VCP411405	VCP402116	---
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>ABNORMAL</b>	ABNORMAL	ABNORMAL	---

### BELSON STEEL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>171</b>	150	183	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>14</b>	4	3	---
Sodium	ppm	<b>4</b>	6	8	---
Potassium	ppm	<b>&lt;1</b>	1	1	---



## WEAR METALS

Iron	ppm	<b>195</b>	226	76	---
Copper	ppm	<b>56</b>	72	75	---
Lead	ppm	<b>&lt;1</b>	<1	0	---
Tin	ppm	<b>&lt;1</b>	0	0	---
Aluminum	ppm	<b>3</b>	3	3	---
Chromium	ppm	<b>&lt;1</b>	1	<1	---
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	---
Nickel	ppm	<b>0</b>	0	<1	---
Titanium	ppm	<b>&lt;1</b>	<1	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>5</b>	7	8	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>1473</b>	21	17	---
Magnesium	ppm	<b>32</b>	0	2	---
Zinc	ppm	<b>631</b>	56	90	---
Phosphorus	ppm	<b>976</b>	1018	1245	---
Barium	ppm	<b>39</b>	74	242	---
Boron	ppm	<b>22</b>	25	0	---

## Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other 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.

**Depot:** BELBOU  
**Unique No:** 10900229  
**Signed:** Jonathan Hester  
**Report Date:** 29 Feb 2024



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## GRAPHS

