



# CONSTRUCTION EQUIPMENT

SPM621371 SENNEBOGEN 835M 835.0.3000 - FRONT RIGHT FINAL DRIVE



**Sample No:** VCP433299  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM621371



## SAMPLE INFORMATION

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

### BELSON STEEL

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## OIL CONDITION

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

Silicon	ppm	<b>3</b>	24	3	---
Sodium	ppm	<b>2</b>	<1	8	---
Potassium	ppm	<b>0</b>	1	<1	---



## WEAR METALS

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



## ADDITIVES

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

## Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The copper level is abnormal. Moderate concentration of visible yellow metal present. Bearing and/or bushing wear is indicated. 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:** 10726658  
**Signed:** Don Baldrige  
**Report Date:** 06 Nov 2023



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## GRAPHS

