



# CONSTRUCTION EQUIPMENT

SPM646179 SENNEBOGEN 835ME 835.0.3282 - FRONT LEFT FINAL DRIVE



**Sample No:** VCP436983  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM646179



## SAMPLE INFORMATION

Sample Number	VCP436983	VCP393792	---	---
Sample Date	08 Dec 2023	08 Dec 2023	---	---
Machine Hours	223	223	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

### BELSON STEEL

1685 N STATE RTE 50  
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## OIL CONDITION

Visc @ 40°C	cSt	█ 170	█ 169	---	---
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## CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 4	█ 3	---	---
Sodium	ppm	█ 12	█ 11	---	---
Potassium	ppm	█ 0	█ 0	---	---

### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. Moderate concentration of visible metal present. 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	█ 253	█ 135	---	---
Copper	ppm	▲ 50	▲ 150	---	---
Lead	ppm	█ 1	█ 14	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ <1	█ 0	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ <1	█ 0	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 5	█ 4	---	---
Vanadium	ppm	0	0	---	---



## ADDITIVES

Calcium	ppm	█ 18	█ 86	---	---
Magnesium	ppm	█ <1	█ <1	---	---
Zinc	ppm	█ 49	█ 157	---	---
Phosphorus	ppm	█ 1298	█ 1299	---	---
Barium	ppm	█ 255	█ 218	---	---
Boron	ppm	█ 43	█ 28	---	---

**Depot:** BELBOU  
**Unique No:** 10873771  
**Signed:** Jonathan Hester  
**Report Date:** 14 Feb 2024



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## GRAPHS

