



# CONSTRUCTION EQUIPMENT

SPM566282 SENNEBOGEN 835ME 835.0.2518 - FRONT RIGHT FINAL DRIVE



**Sample No:** VCP418509  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM566282



## SAMPLE INFORMATION

Sample Number	<b>VCP418509</b>	VCP404765	VCP378254	---
Sample Date	<b>09 Jul 2023</b>	20 Mar 2023	20 May 2022	---
Machine Hours	<b>9340</b>	8821	7229	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Not Chngd	Changed	---
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	---

### SIMS METAL MANAGEMENT

2500 S. PAULINA  
CHICAGO, IL  
US 60608  
Contact: RYAN WISE  
ryan.wise@simsmm.com  
T:  
F:

## OIL CONDITION

Visc @ 40°C	cSt	<b>183</b>	183	144	---
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## CONTAMINATION

Silicon	ppm	<b>53</b>	56	13	---
Sodium	ppm	<b>6</b>	6	3	---
Potassium	ppm	<b>2</b>	2	<1	---

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

## WEAR METALS

Iron	ppm	<b>307</b>	390	211	---
Copper	ppm	<b>▲ 101</b>	▲ 91	▲ 95	---
Lead	ppm	<b>&lt;1</b>	<1	0	---
Tin	ppm	<b>&lt;1</b>	<1	<1	---
Aluminum	ppm	<b>13</b>	13	6	---
Chromium	ppm	<b>2</b>	3	<1	---
Molybdenum	ppm	<b>3</b>	3	<1	---
Nickel	ppm	<b>&lt;1</b>	<1	0	---
Titanium	ppm	<b>2</b>	2	<1	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>6</b>	6	5	---
Vanadium	ppm	<b>0</b>	0	0	---

## ADDITIVES

Calcium	ppm	<b>2724</b>	2752	117	---
Magnesium	ppm	<b>67</b>	61	10	---
Zinc	ppm	<b>1040</b>	988	86	---
Phosphorus	ppm	<b>916</b>	902	390	---
Barium	ppm	<b>3</b>	3	7	---
Boron	ppm	<b>28</b>	23	25	---

**Depot:** SIMCHIL  
**Unique No:** 10548938  
**Signed:** Don Baldrige  
**Report Date:** 11 Jul 2023



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## GRAPHS

