



# CONSTRUCTION EQUIPMENT

## SPM686828 SENNEBOGEN 835ME 835.0.2739 - REAR DIFFERENTIAL



**Sample No:** VCP443664  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM686828



### SAMPLE INFORMATION

Sample Number	<b>VCP443664</b>	VCP398595	VCP05377851	---
Sample Date	<b>15 Mar 2024</b>	30 May 2023	12 Oct 2021	---
Machine Hours	<b>7000</b>	5151	1932	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Not Changd	Changed	---
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	---

### SIMS METAL MANAGEMENT

2500 S. PAULINA  
 CHICAGO, IL  
 US 60608

Contact: RYAN WISE  
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 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>200</b>	201	162	---
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### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	<b>25</b>	22	14	---
Sodium	ppm	<b>0</b>	1	4	---
Potassium	ppm	<b>2</b>	0	0	---

### 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>145</b>	96	101	---
Copper	ppm	<b>50</b>	42	83	---
Lead	ppm	<b>2</b>	0	<1	---
Tin	ppm	<b>1</b>	0	0	---
Aluminum	ppm	<b>2</b>	2	2	---
Chromium	ppm	<b>1</b>	0	<1	---
Molybdenum	ppm	<b>2</b>	<1	<1	---
Nickel	ppm	<b>&lt;1</b>	0	<1	---
Titanium	ppm	<b>&lt;1</b>	<1	<1	---
Silver	ppm	<b>&lt;1</b>	0	<1	---
Manganese	ppm	<b>4</b>	2	4	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>2260</b>	2012	17	---
Magnesium	ppm	<b>12</b>	11	4	---
Zinc	ppm	<b>1019</b>	966	52	---
Phosphorus	ppm	<b>851</b>	768	914	---
Barium	ppm	<b>16</b>	0	175	---
Boron	ppm	<b>10</b>	9	58	---

**Depot:** SIMCHIL  
**Unique No:** 10941457  
**Signed:** Sean Felton  
**Report Date:** 27 Mar 2024



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## GRAPHS

