



# CONSTRUCTION EQUIPMENT

SPM620293 SENNEBOGEN 835ME 835.0.2078 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP415049  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM620293



## SAMPLE INFORMATION

Sample Number	<b>VCP415049</b>	VCP418594	VCP387189	VCP378255
Sample Date	<b>12 Oct 2023</b>	19 May 2023	02 Mar 2023	16 May 2022
Machine Hours	<b>19841</b>	19056	18536	17503
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

## SIMS METAL MANAGEMENT

2500 S. PAULINA  
CHICAGO, IL  
US 60608

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## OIL CONDITION

Visc @ 40°C	cSt	<b>137</b>	193	194	195
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## CONTAMINATION

Silicon	ppm	<b>4</b>	26	28	21
Sodium	ppm	<b>0</b>	<1	<1	<1
Potassium	ppm	<b>0</b>	<1	<1	0



## WEAR METALS

Iron	ppm	<b>35</b>	76	70	▲ 657
Copper	ppm	<b>18</b>	37	37	▲ 190
Lead	ppm	<b>0</b>	0	<1	2
Tin	ppm	<b>0</b>	0	<1	▲ 11
Aluminum	ppm	<b>0</b>	<1	<1	3
Chromium	ppm	<b>0</b>	0	<1	6
Molybdenum	ppm	<b>0</b>	2	2	2
Nickel	ppm	<b>&lt;1</b>	0	0	1
Titanium	ppm	<b>0</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	<1	<1
Manganese	ppm	<b>&lt;1</b>	1	2	7
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>274</b>	2235	2259	1739
Magnesium	ppm	<b>7</b>	25	23	17
Zinc	ppm	<b>141</b>	977	921	679
Phosphorus	ppm	<b>917</b>	823	801	786
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>162</b>	9	9	25

## 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.

**Depot:** SIMCHIL  
**Unique No:** 10713368  
**Signed:** Wes Davis  
**Report Date:** 27 Oct 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

