



# CONSTRUCTION EQUIPMENT

SPM645920 SENNEBOGEN 835ME 835.0.2902 - FRONT RIGHT FINAL DRIVE



**Sample No:** VCP422964  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM645920



## SAMPLE INFORMATION

Sample Number	<b>VCP422964</b>	VCP423173	VCP05839527	VCP333366
Sample Date	<b>29 Nov 2023</b>	26 Jun 2023	19 Apr 2023	11 Feb 2022
Machine Hours	<b>5105</b>	3988	3469	540
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	SEVERE	SEVERE	ABNORMAL

## 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>146</b>	184	184	185
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>1</b>	5	4	3
Sodium	ppm	<b>&lt;1</b>	12	10	10
Potassium	ppm	<b>7</b>	0	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>0</b>	644	463	198
Copper	ppm	<b>0</b>	587	439	182
Lead	ppm	<b>0</b>	6	0	1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>1</b>	23	18	8
Chromium	ppm	<b>0</b>	3	2	1
Molybdenum	ppm	<b>0</b>	<1	<1	<1
Nickel	ppm	<b>0</b>	<1	<1	0
Titanium	ppm	<b>0</b>	<1	<1	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>0</b>	37	30	12
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>57</b>	36	26	12
Magnesium	ppm	<b>10</b>	6	2	2
Zinc	ppm	<b>37</b>	507	429	138
Phosphorus	ppm	<b>282</b>	1152	1148	1224
Barium	ppm	<b>0</b>	313	287	319
Boron	ppm	<b>0</b>	<1	<1	0

**Depot:** SIMCHIL  
**Unique No:** 10793408  
**Signed:** Jonathan Hester  
**Report Date:** 20 Dec 2023



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## GRAPHS

