



# CONSTRUCTION EQUIPMENT

SPM645920 SENNEBOGEN 835ME 835.0.2902 - FRONT AXLE



**Sample No:** VCP422960  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM645920



## SAMPLE INFORMATION

Sample Number	<b>VCP422960</b>	VCP423179	VCP383259	---
Sample Date	<b>29 Nov 2023</b>	26 Jun 2023	19 Apr 2023	---
Machine Hours	<b>5105</b>	3988	3469	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>NORMAL</b>	NORMAL	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	185	---
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## CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	<b>1</b>	5	4	---
Sodium	ppm	<b>&lt;1</b>	4	4	---
Potassium	ppm	<b>10</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>&lt;1</b>	23	43	---
Copper	ppm	<b>0</b>	46	<b>63</b>	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>2</b>	<1	2	---
Chromium	ppm	<b>0</b>	<1	<1	---
Molybdenum	ppm	<b>0</b>	0	<1	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>0</b>	<1	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	1	3	---
Vanadium	ppm	<b>0</b>	0	0	---

## ADDITIVES

Calcium	ppm	<b>50</b>	14	7	---
Magnesium	ppm	<b>11</b>	4	0	---
Zinc	ppm	<b>21</b>	44	46	---
Phosphorus	ppm	<b>274</b>	1189	1155	---
Barium	ppm	<b>0</b>	398	356	---
Boron	ppm	<b>2</b>	0	0	---

**Depot:** SIMCHIL  
**Unique No:** 10793395  
**Signed:** Wes Davis  
**Report Date:** 19 Dec 2023



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## GRAPHS

