



# CONSTRUCTION EQUIPMENT

SPM566282 SENNEBOGEN 835ME 835.0.2518 - FRONT AXLE



**Sample No:** VCP382903  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM566282



## SAMPLE INFORMATION

Sample Number	<b>VCP382903</b>	VCP404764	VCP373872	---
Sample Date	<b>20 Jun 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 Changd	Changed	---
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>194</b>	191	141	---
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## CONTAMINATION

Silicon	ppm	<b>22</b>	23	▲ 85	---
Sodium	ppm	<b>2</b>	2	<1	---
Potassium	ppm	<b>0</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>18</b>	36	268	---
Copper	ppm	<b>21</b>	22	25	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>&lt;1</b>	<1	<1	---
Aluminum	ppm	<b>2</b>	2	▲ 21	---
Chromium	ppm	<b>&lt;1</b>	<1	3	---
Molybdenum	ppm	<b>3</b>	3	<1	---
Nickel	ppm	<b>0</b>	0	<1	---
Titanium	ppm	<b>&lt;1</b>	<1	1	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>&lt;1</b>	1	2	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>3168</b>	3117	14	---
Magnesium	ppm	<b>46</b>	40	<1	---
Zinc	ppm	<b>1101</b>	1088	25	---
Phosphorus	ppm	<b>963</b>	976	531	---
Barium	ppm	<b>&lt;1</b>	0	0	---
Boron	ppm	<b>12</b>	11	54	---

**Depot:** SIMCHIL  
**Unique No:** 10548898  
**Signed:** Don Baldrige  
**Report Date:** 11 Jul 2023



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## GRAPHS

