



# CONSTRUCTION EQUIPMENT

SPM686818 SENNEBOGEN 835 835.0.2015 - REAR AXLE



**Sample No:** VCP407403  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM686818



## SAMPLE INFORMATION

Sample Number	<b>VCP407403</b>	VCP365838	VCP358525	---
Sample Date	<b>15 Mar 2024</b>	26 Jan 2023	07 Apr 2022	---
Machine Hours	<b>24766</b>	23836	22573	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	---
Sample Status	<b>ABNORMAL</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>201</b>	138	204	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	▲ 0.266	---
Silicon	ppm	<b>25</b>	2	29	---
Sodium	ppm	<b>0</b>	0	0	---
Potassium	ppm	<b>2</b>	2	8	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other 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>131</b>	22	407	---
Copper	ppm	<b>▲ 52</b>	11	89	---
Lead	ppm	<b>2</b>	0	2	---
Tin	ppm	<b>1</b>	0	8	---
Aluminum	ppm	<b>2</b>	0	10	---
Chromium	ppm	<b>1</b>	0	2	---
Molybdenum	ppm	<b>2</b>	<1	<1	---
Nickel	ppm	<b>&lt;1</b>	0	0	---
Titanium	ppm	<b>&lt;1</b>	0	<1	---
Silver	ppm	<b>&lt;1</b>	0	0	---
Manganese	ppm	<b>4</b>	<1	4	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---

## ADDITIVES

Calcium	ppm	<b>2266</b>	107	123	---
Magnesium	ppm	<b>12</b>	7	15	---
Zinc	ppm	<b>1010</b>	52	102	---
Phosphorus	ppm	<b>840</b>	437	404	---
Barium	ppm	<b>16</b>	<1	0	---
Boron	ppm	<b>10</b>	47	12	---

**Depot:** SIMCHIL  
**Unique No:** 10941431  
**Signed:** Sean Felton  
**Report Date:** 27 Mar 2024



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## GRAPHS

