



# CONSTRUCTION EQUIPMENT

SPM686818 SENNEBOGEN 835 835.0.2015 - FRONT LEFT FINAL DRIVE



**Sample No:** VCP407405  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM686818



## SAMPLE INFORMATION

Sample Number	<b>VCP407405</b>	VCP404356	VCP05520155	VCP345162
Sample Date	<b>15 Mar 2024</b>	26 Jan 2023	07 Apr 2022	05 Nov 2021
Machine Hours	<b>24766</b>	23836	22573	21358
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

## 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>197</b>	152	140	139
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>19</b>	4	2	4
Sodium	ppm	<b>0</b>	0	0	<1
Potassium	ppm	<b>2</b>	8	1	5

## 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>83</b>	181	82	58
Copper	ppm	<b>20</b>	7	6	5
Lead	ppm	<b>1</b>	0	<1	<1
Tin	ppm	<b>1</b>	0	0	<1
Aluminum	ppm	<b>2</b>	0	<1	1
Chromium	ppm	<b>1</b>	<1	0	<1
Molybdenum	ppm	<b>4</b>	<1	<1	4
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>1</b>	0	0	2
Silver	ppm	<b>&lt;1</b>	0	0	<1
Manganese	ppm	<b>2</b>	2	1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>2398</b>	139	48	278
Magnesium	ppm	<b>49</b>	7	6	58
Zinc	ppm	<b>1073</b>	65	39	141
Phosphorus	ppm	<b>873</b>	460	471	456
Barium	ppm	<b>6</b>	<1	0	0
Boron	ppm	<b>5</b>	44	47	62

**Depot:** SIMCHIL  
**Unique No:** 10941432  
**Signed:** Sean Felton  
**Report Date:** 27 Mar 2024



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## GRAPHS

