



# CONSTRUCTION EQUIPMENT

SPM581201 SENNEBOGEN 835ME 835.0.2266 - REAR AXLE



**Sample No:** VCP422971  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM581201



## SAMPLE INFORMATION

Sample Number	<b>VCP422971</b>	VCP422518	VCP401589	VCP342001
Sample Date	<b>11 Aug 2023</b>	09 May 2023	28 Feb 2023	04 Nov 2021
Machine Hours	<b>19533</b>	19009	18581	16353
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Changed	Not Changd
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>141</b>	140	187	141
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## CONTAMINATION

Silicon	ppm	<b>16</b>	9	20	7
Sodium	ppm	<b>0</b>	0	<1	<1
Potassium	ppm	<b>&lt;1</b>	<1	<1	<1



## WEAR METALS

Iron	ppm	<b>271</b>	125	219	114
Copper	ppm	<b>28</b>	20	7	12
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	0	2	1
Chromium	ppm	<b>2</b>	<1	1	<1
Molybdenum	ppm	<b>2</b>	2	2	2
Nickel	ppm	<b>&lt;1</b>	<1	<1	<1
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>4</b>	2	3	1
Vanadium	ppm	<b>0</b>	0	<1	<1



## ADDITIVES

Calcium	ppm	<b>593</b>	479	1797	346
Magnesium	ppm	<b>15</b>	12	21	11
Zinc	ppm	<b>274</b>	246	879	161
Phosphorus	ppm	<b>561</b>	461	773	450
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>45</b>	34	23	48

## 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.

**Depot:** SIMCHIL  
**Unique No:** 10616404  
**Signed:** Don Baldrige  
**Report Date:** 23 Aug 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

