



# CONSTRUCTION EQUIPMENT

SPM688847 SENNEBOGEN 835ME 835.0.2078 - FRONT AXLE



**Sample No:** VCP425255  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM688847



## SAMPLE INFORMATION

Sample Number	<b>VCP425255</b>	VCP425325	VCP418501	VCP387365
Sample Date	<b>01 Apr 2024</b>	12 Oct 2023	19 May 2023	02 Mar 2023
Machine Hours	<b>20857</b>	19841	19056	18536
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	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:  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>144</b>	147	197	197
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>5</b>	7	27	28
Sodium	ppm	<b>2</b>	0	<1	<1
Potassium	ppm	<b>0</b>	0	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>17</b>	6	7	13
Copper	ppm	<b>23</b>	17	23	21
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>0</b>	<1	<1	0
Chromium	ppm	<b>0</b>	0	0	<1
Molybdenum	ppm	<b>0</b>	0	1	2
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>&lt;1</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>303</b>	387	2161	2285
Magnesium	ppm	<b>3</b>	10	22	22
Zinc	ppm	<b>170</b>	197	959	938
Phosphorus	ppm	<b>546</b>	583	800	807
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>36</b>	24	4	6

**Depot:** SIMCHIL  
**Unique No:** 10990261  
**Signed:** Don Baldrige  
**Report Date:** 23 Apr 2024



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## VOLVO GRAPHS

