



# CONSTRUCTION EQUIPMENT

SPM688692 SENNEBOGEN 835ME 835.0.2542 - FRONT AXLE



**Sample No:** VCP426433  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM688692



## SAMPLE INFORMATION

Sample Number	<b>VCP426433</b>	VCP404744	VCP358254	VCP304103
Sample Date	<b>01 Apr 2024</b>	04 Apr 2023	06 Jul 2022	02 Aug 2021
Machine Hours	<b>9624</b>	7921	6511	4377
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>196</b>	108	186	131
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>20</b>	13	13	<1
Sodium	ppm	<b>&lt;1</b>	<1	0	0
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 fluid. The condition of the fluid is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>111</b>	24	206	2
Copper	ppm	<b>40</b>	6	14	11
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	0	1	0
Aluminum	ppm	<b>1</b>	0	2	0
Chromium	ppm	<b>&lt;1</b>	0	<1	0
Molybdenum	ppm	<b>2</b>	4	2	2
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>0</b>	0	<1	2
Manganese	ppm	<b>3</b>	<1	3	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>2264</b>	2397	1610	36
Magnesium	ppm	<b>26</b>	47	12	4
Zinc	ppm	<b>1025</b>	1238	688	20
Phosphorus	ppm	<b>864</b>	982	631	397
Barium	ppm	<b>1</b>	0	5	0
Boron	ppm	<b>8</b>	6	26	58

**Depot:** SIMCHIL  
**Unique No:** 10990305  
**Signed:** Sean Felton  
**Report Date:** 24 Apr 2024



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## VOLVO GRAPHS

