



# CONSTRUCTION EQUIPMENT

SPM702318 SENNEBOGEN 835ME 835.0.2859 - REAR LEFT FINAL DRIVE



**Sample No:** VCP446188  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM702318



## SAMPLE INFORMATION

Sample Number	<b>VCP446188</b>	VCP415029	VCP423161	VCP383266
Sample Date	<b>24 Apr 2024</b>	28 Sep 2023	13 Jun 2023	06 Apr 2023
Machine Hours	<b>6712</b>	5054	4333	3781
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

## SIMS METAL MANAGEMENT

2500 S. PAULINA  
CHICAGO, IL  
US 60608

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## OIL CONDITION

Visc @ 40°C	cSt	<b>151</b>	188	189	140
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>10</b>	27	30	10
Sodium	ppm	<b>5</b>	<1	1	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 oil. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>312</b>	29	26	72
Copper	ppm	<b>11</b>	11	6	31
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>&lt;1</b>	1	1	<1
Chromium	ppm	<b>3</b>	0	<1	0
Molybdenum	ppm	<b>&lt;1</b>	4	4	0
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	<1	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>4</b>	<1	<1	2
Vanadium	ppm	<b>0</b>	<1	0	0



## ADDITIVES

Calcium	ppm	<b>81</b>	2878	3010	27
Magnesium	ppm	<b>1</b>	77	83	5
Zinc	ppm	<b>48</b>	1091	1103	19
Phosphorus	ppm	<b>659</b>	901	927	517
Barium	ppm	<b>0</b>	0	2	9
Boron	ppm	<b>0</b>	12	13	48

**Depot:** SIMCHIL  
**Unique No:** 11030503  
**Signed:** Wes Davis  
**Report Date:** 15 May 2024



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## GRAPHS

