



# CONSTRUCTION EQUIPMENT

## SPM686831 SENNEBOGEN 835ME 835.0.2902 - FRONT RIGHT FINAL DRIVE



**Sample No:** VCP435663  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM686831



### SAMPLE INFORMATION

Sample Number	<b>VCP435663</b>	VCP422964	VCP423173	VCP05839527
Sample Date	<b>12 Mar 2024</b>	29 Nov 2023	26 Jun 2023	19 Apr 2023
Machine Hours	<b>5160</b>	5105	3988	3469
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	SEVERE	SEVERE

### 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>168</b>	146	184	184
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>13</b>	1	5	4
Sodium	ppm	<b>11</b>	<1	12	10
Potassium	ppm	<b>2</b>	7	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>105</b>	0	644	463
Copper	ppm	<b>10</b>	0	587	439
Lead	ppm	<b>0</b>	0	6	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	1	23	18
Chromium	ppm	<b>3</b>	0	3	2
Molybdenum	ppm	<b>0</b>	0	<1	<1
Nickel	ppm	<b>0</b>	0	<1	<1
Titanium	ppm	<b>2</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>3</b>	0	37	30
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>342</b>	57	36	26
Magnesium	ppm	<b>15</b>	10	6	2
Zinc	ppm	<b>159</b>	37	507	429
Phosphorus	ppm	<b>918</b>	282	1152	1148
Barium	ppm	<b>0</b>	0	313	287
Boron	ppm	<b>32</b>	0	<1	<1

**Depot:** SIMCHIL  
**Unique No:** 10990280  
**Signed:** Don Baldrige  
**Report Date:** 23 Apr 2024



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## VOLVO GRAPHS

