



# CONSTRUCTION EQUIPMENT

SPM686818 SENNEBOGEN 835 835.0.2015 - FRONT RIGHT FINAL DRIVE



**Sample No:** VCP407401  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM686818



## SAMPLE INFORMATION

Sample Number	<b>VCP407401</b>	VCP404355	VCP358524	VCP326172
Sample Date	<b>15 Mar 2024</b>	26 Jan 2023	07 Apr 2022	05 Nov 2021
Machine Hours	<b>24766</b>	23836	22573	21358
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changed</b>	Not Changed	Changed	Changed
Sample Status	<b>ABNORMAL</b>	ABNORMAL	NORMAL	NORMAL

## SIMS METAL MANAGEMENT

2500 S. PAULINA  
CHICAGO, IL  
US 60608

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T:  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>195</b>	151	138	138
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## CONTAMINATION

Water	%	<b>NEG</b>	0.130	NEG	NEG
Silicon	ppm	<b>20</b>	6	4	3
Sodium	ppm	<b>0</b>	0	0	<1
Potassium	ppm	<b>2</b>	6	8	5



## WEAR METALS

Iron	ppm	<b>116</b>	87	94	60
Copper	ppm	<b>72</b>	5	6	3
Lead	ppm	<b>1</b>	0	<1	0
Tin	ppm	<b>1</b>	0	<1	<1
Aluminum	ppm	<b>2</b>	<1	1	<1
Chromium	ppm	<b>1</b>	<1	<1	<1
Molybdenum	ppm	<b>3</b>	3	4	<1
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	<1	1	<1
Silver	ppm	<b>&lt;1</b>	0	<1	<1
Manganese	ppm	<b>4</b>	1	2	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>2528</b>	1257	316	32
Magnesium	ppm	<b>41</b>	46	66	6
Zinc	ppm	<b>1127</b>	440	163	16
Phosphorus	ppm	<b>899</b>	593	512	445
Barium	ppm	<b>5</b>	0	0	0
Boron	ppm	<b>5</b>	51	56	61

## Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The copper level is abnormal. Moderate concentration of visible metal present. All other 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:** 10941438  
**Signed:** Sean Felton  
**Report Date:** 27 Mar 2024



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## VOLVO GRAPHS

