



# CONSTRUCTION EQUIPMENT

SPM620293 SENNEBOGEN 835ME 835.0.2078 - FRONT AXLE



**Sample No:** VCP425325  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM620293



## SAMPLE INFORMATION

Sample Number	<b>VCP425325</b>	VCP418501	VCP387365	VCP361066
Sample Date	<b>12 Oct 2023</b>	19 May 2023	02 Mar 2023	16 May 2022
Machine Hours	<b>19841</b>	19056	18536	17503
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Not Changd	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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## OIL CONDITION

Visc @ 40°C	cSt	<b>147</b>	197	197	105
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## CONTAMINATION

Silicon	ppm	<b>7</b>	27	28	10
Sodium	ppm	<b>0</b>	<1	<1	<1
Potassium	ppm	<b>0</b>	0	0	0



## WEAR METALS

Iron	ppm	<b>6</b>	7	13	7
Copper	ppm	<b>17</b>	23	21	25
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>&lt;1</b>	<1	0	1
Chromium	ppm	<b>0</b>	0	<1	<1
Molybdenum	ppm	<b>0</b>	1	2	5
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	<1	<1
Manganese	ppm	<b>&lt;1</b>	<1	1	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>387</b>	2161	2285	2528
Magnesium	ppm	<b>10</b>	22	22	39
Zinc	ppm	<b>197</b>	959	938	1130
Phosphorus	ppm	<b>583</b>	800	807	949
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>24</b>	4	6	15

## 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.

**Depot:** SIMCHIL  
**Unique No:** 10713357  
**Signed:** Don Baldrige  
**Report Date:** 30 Oct 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

