



# CONSTRUCTION EQUIPMENT

## SPM646500 AMG SENNEBOGEN 835M 835.0.2002 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP435726  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM646500 AMG



### SAMPLE INFORMATION

Sample Number	<b>VCP435726</b>	VCP422580	VCP406712	VCP328725
Sample Date	<b>04 Jan 2024</b>	07 Jul 2023	14 Apr 2023	30 Aug 2021
Machine Hours	<b>15647</b>	8436	13746	8073
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>SEVERE</b>	ABNORMAL	SEVERE	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>138</b>	140	147	141
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>8</b>	5	9	3
Sodium	ppm	<b>0</b>	0	1	2
Potassium	ppm	<b>0</b>	0	0	<1

### Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. High concentration of visible yellow metal present. Bearing and/or bushing wear is indicated. No other contaminants were detected in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



### WEAR METALS

Iron	ppm	<b>31</b>	16	53	17
Copper	ppm	<b>345</b>	105	379	100
Lead	ppm	<b>8</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>&lt;1</b>	<1	<1	2
Chromium	ppm	<b>0</b>	0	<1	<1
Molybdenum	ppm	<b>1</b>	0	<1	3
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	<1	<1
Manganese	ppm	<b>0</b>	0	1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>118</b>	59	306	52
Magnesium	ppm	<b>13</b>	0	3	36
Zinc	ppm	<b>233</b>	77	305	84
Phosphorus	ppm	<b>1019</b>	1092	863	880
Barium	ppm	<b>0</b>	0	<1	0
Boron	ppm	<b>252</b>	303	139	159

**Depot:** VOLVO8885  
**Unique No:** 10883378  
**Signed:** Doug Bogart  
**Report Date:** 20 Feb 2024



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## GRAPHS

