



# CONSTRUCTION EQUIPMENT

SPM646500 AMG SENNEBOGEN 835M 835.0.2002 - FRONT RIGHT FINAL DRIVE



**Sample No:** VCP435728  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM646500 AMG



## SAMPLE INFORMATION

Sample Number	<b>VCP435728</b>	VCP422575	VCP406713	VCP328722
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>NORMAL</b>	NORMAL	NORMAL	NORMAL

**ALTA EQUIPMENT CO - ORLAND PARK**  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>149</b>	190	190	138
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>29</b>	19	19	3
Sodium	ppm	<b>0</b>	0	2	4
Potassium	ppm	<b>13</b>	6	7	6

## 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>176</b>	139	126	71
Copper	ppm	<b>21</b>	12	12	8
Lead	ppm	<b>1</b>	0	0	<1
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>2</b>	2	2	3
Chromium	ppm	<b>2</b>	<1	<1	<1
Molybdenum	ppm	<b>5</b>	3	3	<1
Nickel	ppm	<b>1</b>	0	<1	<1
Titanium	ppm	<b>1</b>	<1	<1	<1
Silver	ppm	<b>&lt;1</b>	0	0	3
Manganese	ppm	<b>3</b>	2	2	1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>2881</b>	2085	1832	19
Magnesium	ppm	<b>36</b>	19	19	3
Zinc	ppm	<b>1259</b>	915	823	16
Phosphorus	ppm	<b>1204</b>	823	755	828
Barium	ppm	<b>2</b>	1	2	4
Boron	ppm	<b>44</b>	42	35	133

**Depot:** VOLVO8885  
**Unique No:** 10883399  
**Signed:** Don Baldrige  
**Report Date:** 17 Feb 2024



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## GRAPHS

