



CONSTRUCTION EQUIPMENT

SPM646500 AMG SENNEBOGEN 835M 835.0.2002 - REAR LEFT FINAL DRIVE



Sample No: VCP435724
Oil Type: GEAR OIL SAE 80W90
Job No: SPM646500 AMG



SAMPLE INFORMATION

Sample Number	VCP435724	VCP422577	VCP406716	VCP328721
Sample Date	04 Jan 2024	07 Jul 2023	14 Apr 2023	30 Aug 2021
Machine Hours	15647	8436	13746	8073
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Not Chngd	Changed
Sample Status	SEVERE	ABNORMAL	SEVERE	ABNORMAL

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5000 INDUSTRIAL HWY
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Contact: MARK DEROSA
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F:

OIL CONDITION

Visc @ 40°C	cSt	138	140	146	144
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	5	9	2
Sodium	ppm	0	0	1	2
Potassium	ppm	<1	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	28	17	54	32
Copper	ppm	261	103	370	100
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	<1
Aluminum	ppm	1	<1	<1	2
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	<1	0	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	<1	<1
Manganese	ppm	<1	0	1	<1
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	73	57	324	15
Magnesium	ppm	2	0	4	<1
Zinc	ppm	156	76	314	53
Phosphorus	ppm	913	1097	869	923
Barium	ppm	0	0	<1	0
Boron	ppm	241	309	139	168

Depot: VOLVO8885
Unique No: 10883379
Signed: Don Baldrige
Report Date: 17 Feb 2024



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GRAPHS

