



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area

[SPM701405]

Machine Id

SENNEBOGEN 835ME 835.0.2718

Component

Rear Axle

Fluid

GEAR OIL SAE 80W90 (--- GAL)

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP06160725	VCP433820	VCP415017
Sample Date		Client Info		12 Apr 2024	07 Dec 2023	12 Sep 2023
Machine Age	hrs	Client Info		9760	8880	8383
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	109	10	184
Chromium	ppm	ASTM D5185m	>10	3	0	6
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		2	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	3
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	6	2	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

## CONTAMINATION

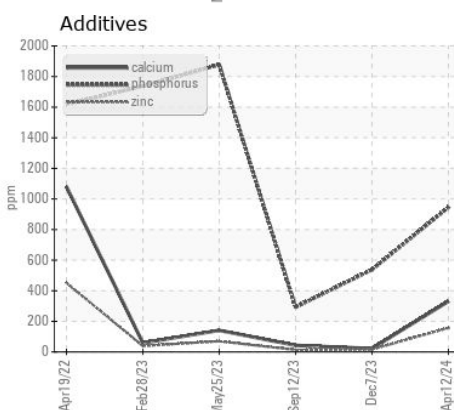
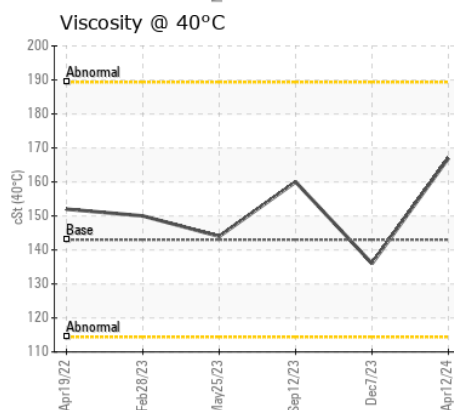
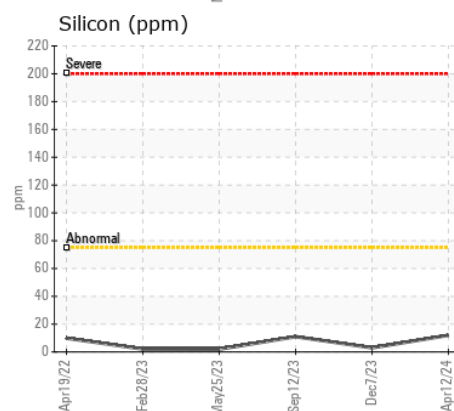
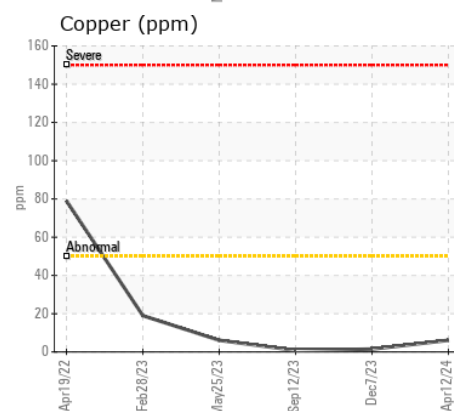
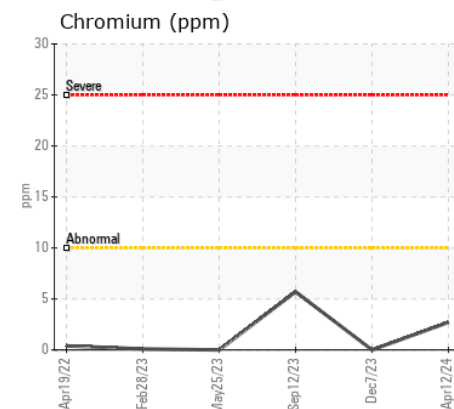
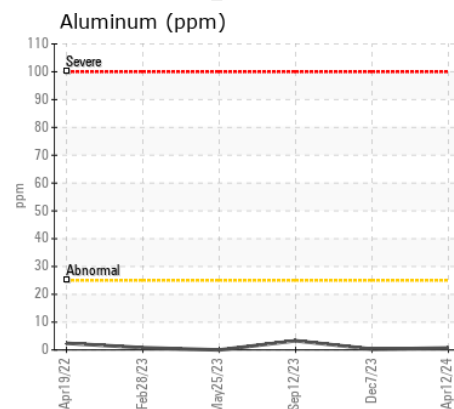
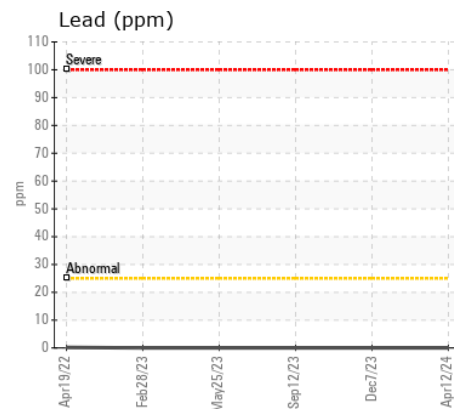
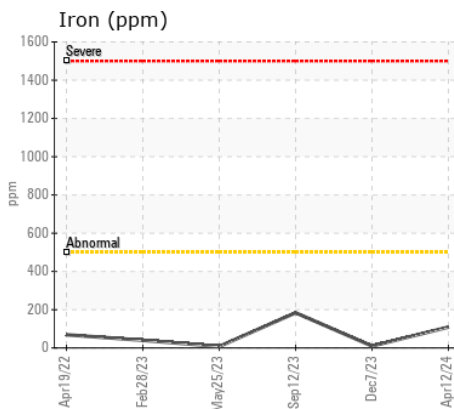
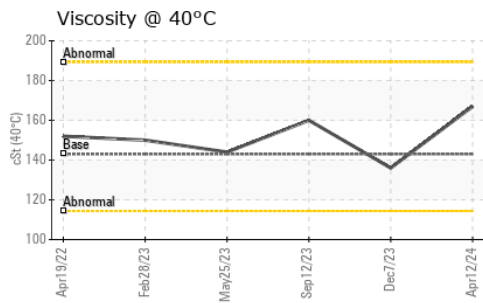
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	12	3	11
Potassium	ppm	ASTM D5185m	>20	1	3	3
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>170	8	2	10
Boron	ppm	ASTM D5185m	400	30	7	0
Barium	ppm	ASTM D5185m	200	<1	<1	0
Molybdenum	ppm	ASTM D5185m	12	0	0	<1
Manganese	ppm	ASTM D5185m		3	<1	6
Magnesium	ppm	ASTM D5185m	12	16	7	2
Calcium	ppm	ASTM D5185m	150	331	22	43
Phosphorus	ppm	ASTM D5185m	1650	945	538	293
Zinc	ppm	ASTM D5185m	125	157	16	13
Sulfur	ppm	ASTM D5185m	22500	20775	21762	17709
Visc @ 40°C	cSt	ASTM D445	143	167	136	160



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP06160725 **Received** : 25 Apr 2024  
**Lab Number** : 06160725 **Tested** : 30 Apr 2024  
**Unique Number** : 10996148 **Diagnosed** : 30 Apr 2024 - Jonathan Hester  
**Test Package** : MOB 1

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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