



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[SPM688847]

Machine Id

SENNEBOGEN 835ME 835.0.2078

Component

Front Right Final Drive

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		VCP425258	VCP425328	VCP418502
Sample Date		Client Info		01 Apr 2024	12 Oct 2023	19 May 2023
Machine Age	hrs	Client Info		20857	19841	19056
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	215	348	▲ 699
Chromium	ppm	ASTM D5185m	>10	<1	2	5
Nickel	ppm	ASTM D5185m	>10	0	1	1
Titanium	ppm	ASTM D5185m		<1	2	2
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	11	● 19
Lead	ppm	ASTM D5185m	>25	0	0	2
Copper	ppm	ASTM D5185m	>50	16	12	▲ 78
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

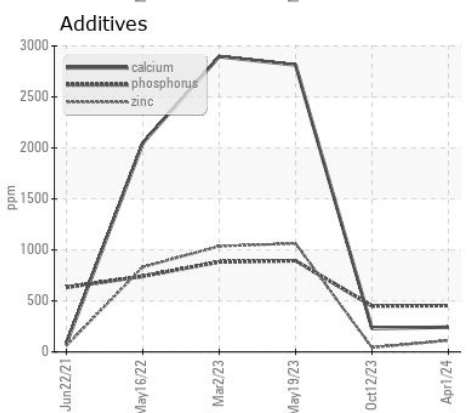
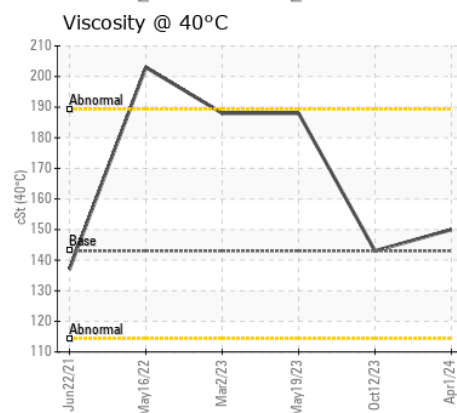
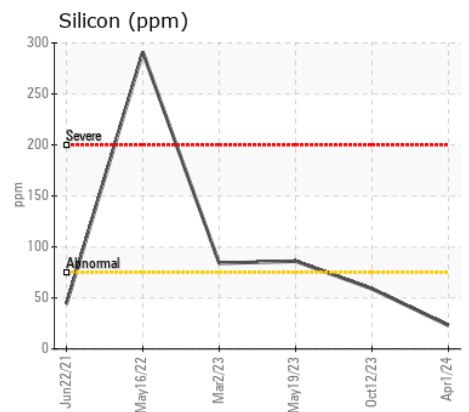
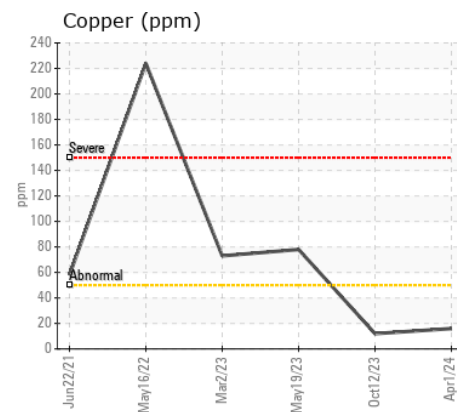
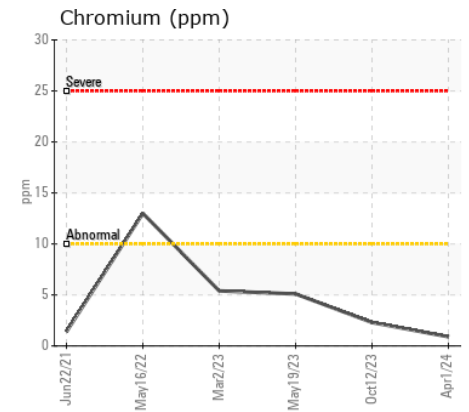
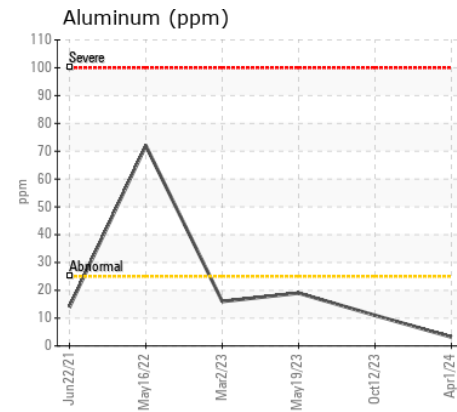
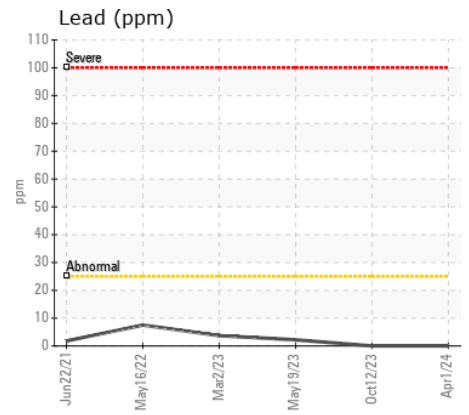
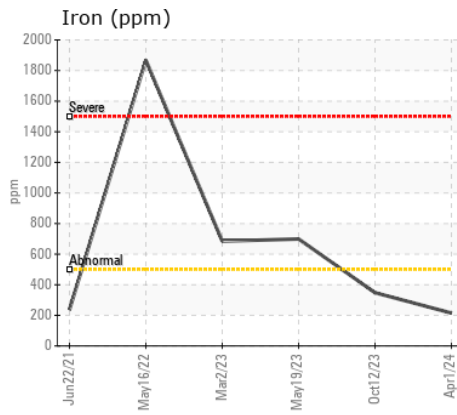
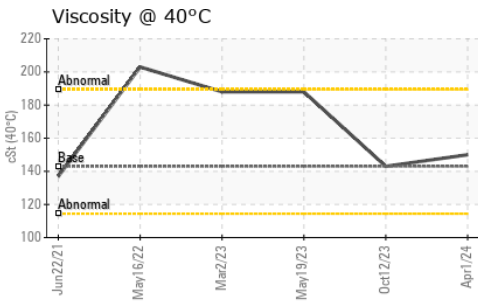
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	23	59	▲ 86
Potassium	ppm	ASTM D5185m	>20	178	860	15
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	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	5	8	4
Boron	ppm	ASTM D5185m	400	140	636	31
Barium	ppm	ASTM D5185m	200	0	1	0
Molybdenum	ppm	ASTM D5185m	12	0	0	3
Manganese	ppm	ASTM D5185m		3	4	9
Magnesium	ppm	ASTM D5185m	12	17	46	73
Calcium	ppm	ASTM D5185m	150	243	231	2813
Phosphorus	ppm	ASTM D5185m	1650	454	450	894
Zinc	ppm	ASTM D5185m	125	112	43	1063
Sulfur	ppm	ASTM D5185m	22500	16340	15162	9507
Visc @ 40°C	cSt	ASTM D445	143	150	143	188



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP425258 **Received** : 19 Apr 2024
Lab Number : 06154826 **Tested** : 22 Apr 2024
Unique Number : 10990249 **Diagnosed** : 22 Apr 2024 - Wes Davis
Test Package : MOB 1

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Certificate L2367
 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)