



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[SPM701405]

Machine Id

SENNEBOGEN 835ME 835.0.2718

Component

Front 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		VCP425152	VCP433444	VCP415013
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				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	32	6	187
Chromium	ppm	ASTM D5185m	>10	0	0	6
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	<1	3
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	7	<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

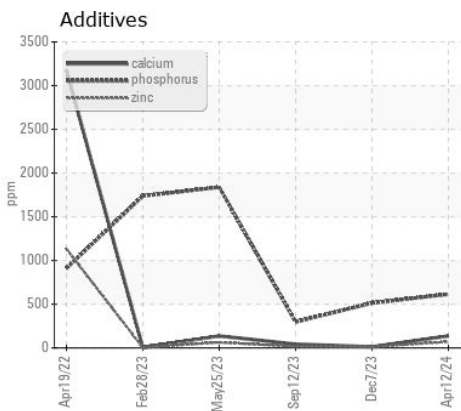
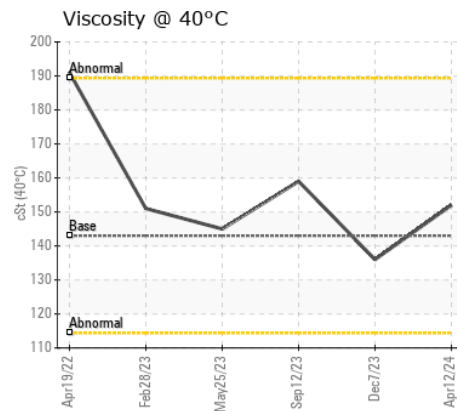
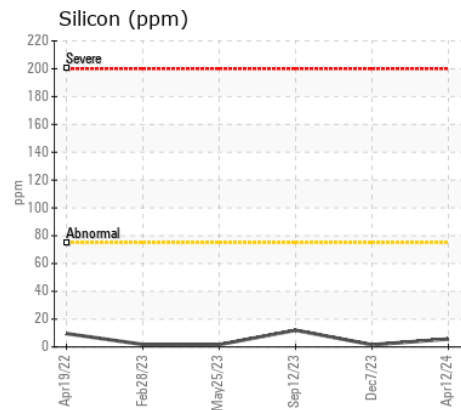
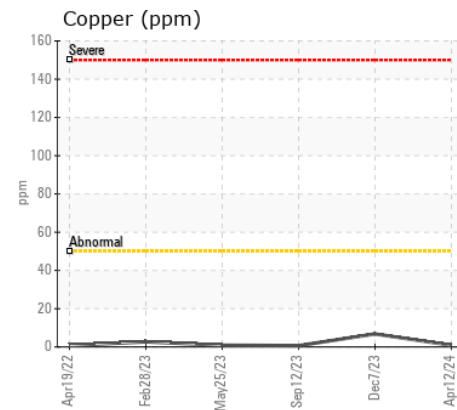
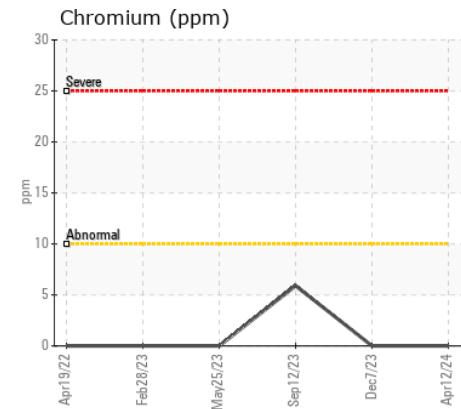
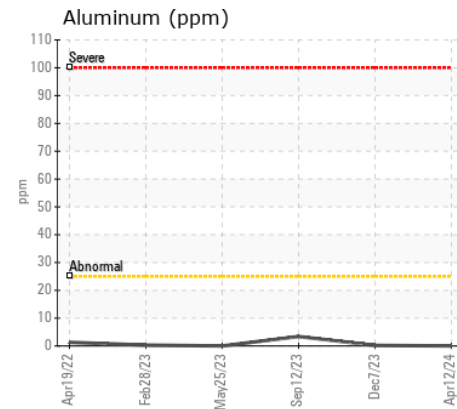
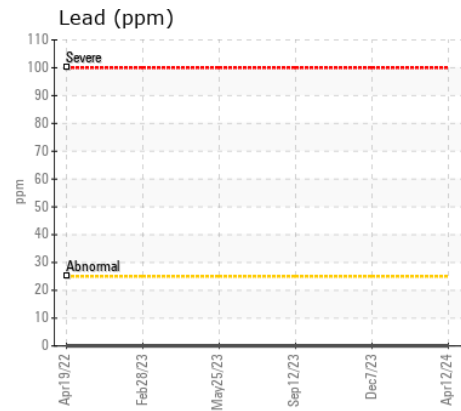
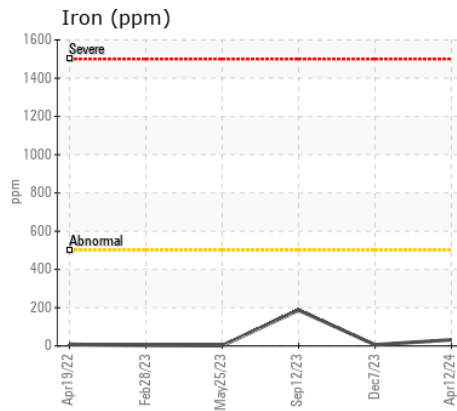
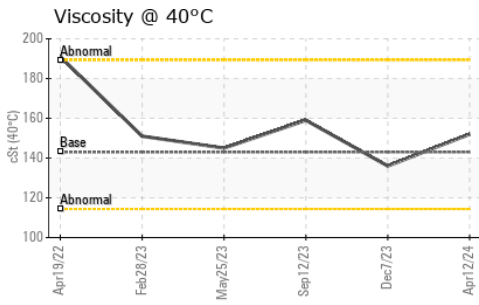
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	6	2	12
Potassium	ppm	ASTM D5185m	>20	0	<1	4
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	<1	<1	10
Boron	ppm	ASTM D5185m	400	22	7	0
Barium	ppm	ASTM D5185m	200	0	0	0
Molybdenum	ppm	ASTM D5185m	12	0	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	6
Magnesium	ppm	ASTM D5185m	12	6	<1	2
Calcium	ppm	ASTM D5185m	150	137	13	43
Phosphorus	ppm	ASTM D5185m	1650	615	514	297
Zinc	ppm	ASTM D5185m	125	71	9	15
Sulfur	ppm	ASTM D5185m	22500	19591	21695	18262
Visc @ 40°C	cSt	ASTM D445	143	152	136	159



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : VCP425152

Lab Number : 06160732

Unique Number : 10996155

Test Package : MOB 1

Received : 25 Apr 2024

Tested : 30 Apr 2024

Diagnosed : 30 Apr 2024 - Wes Davis

BELSON STEEL

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BOURBONNAIS, IL

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F:

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)