



# OIL ANALYSIS REPORT

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

Area

[SPM688436]

Machine Id

SENNEBOGEN 835ME 835.0.3070

Component

Front Left 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		VCP427251	VCP421626	VCP411405
Sample Date		Client Info		22 Mar 2024	11 Jan 2024	11 Aug 2023
Machine Age	hrs	Client Info		3312	3166	2080
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	91	195	226
Chromium	ppm	ASTM D5185m	>10	0	<1	1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	3	3
Lead	ppm	ASTM D5185m	>25	<1	<1	<1
Copper	ppm	ASTM D5185m	>50	44	▲ 56	▲ 72
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

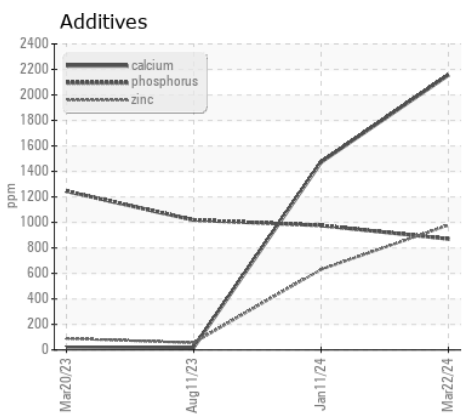
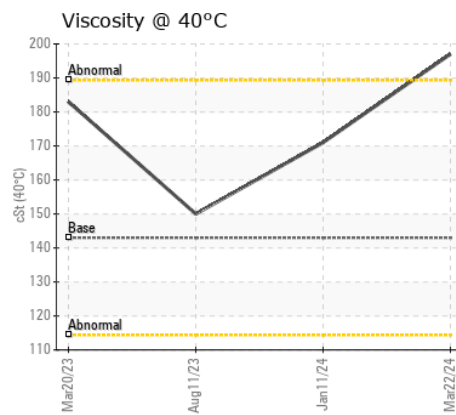
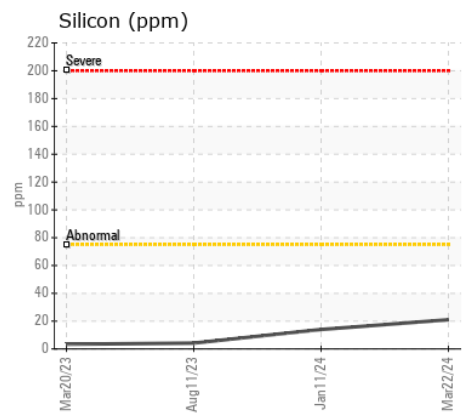
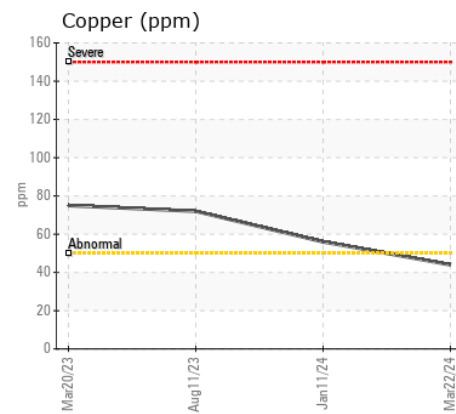
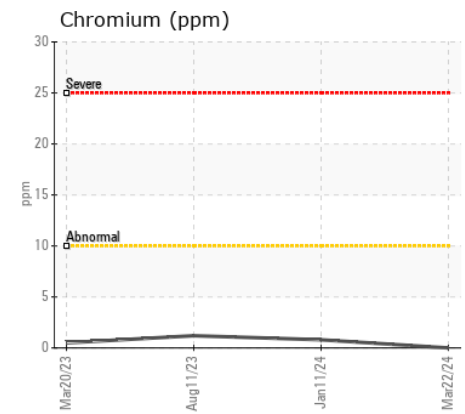
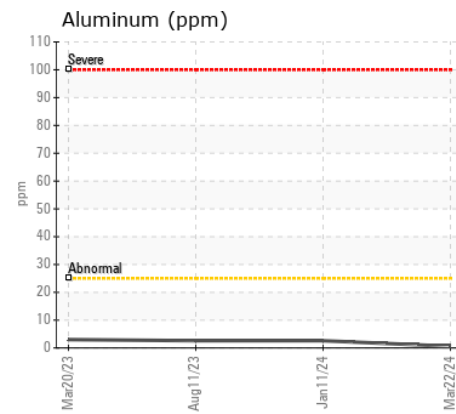
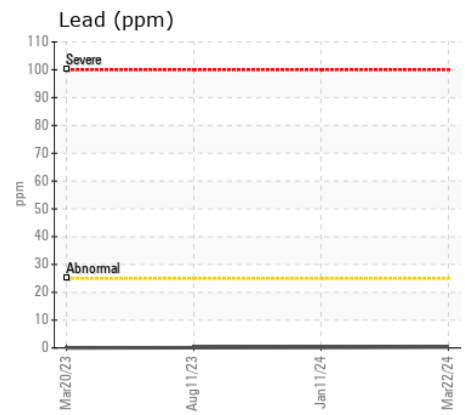
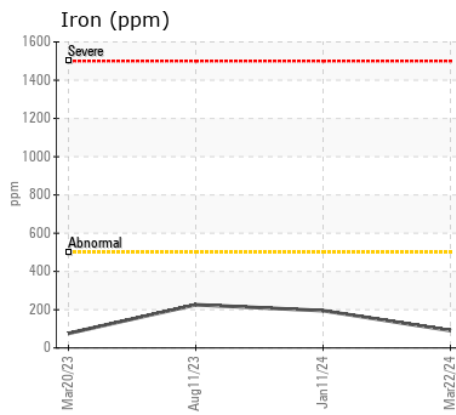
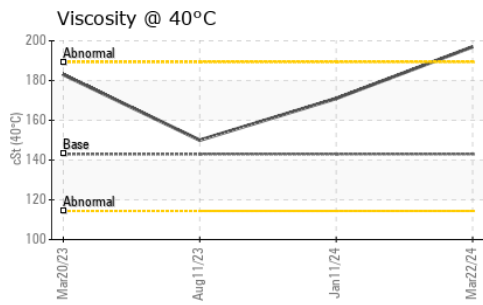
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	21	14	4
Potassium	ppm	ASTM D5185m	>20	0	<1	1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	LIGHT	MODER
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	2	4	6
Boron	ppm	ASTM D5185m	400	11	22	25
Barium	ppm	ASTM D5185m	200	11	39	74
Molybdenum	ppm	ASTM D5185m	12	1	<1	<1
Manganese	ppm	ASTM D5185m		3	5	7
Magnesium	ppm	ASTM D5185m	12	34	32	0
Calcium	ppm	ASTM D5185m	150	2156	1473	21
Phosphorus	ppm	ASTM D5185m	1650	871	976	1018
Zinc	ppm	ASTM D5185m	125	978	631	56
Sulfur	ppm	ASTM D5185m	22500	7212	14355	22873
Visc @ 40°C	cSt	ASTM D445	143	197	171	150



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP427251 **Received** : 19 Apr 2024  
**Lab Number** : 06154843 **Tested** : 22 Apr 2024  
**Unique Number** : 10990266 **Diagnosed** : 23 Apr 2024 - Don Baldrige  
**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)

**BELSON STEEL**  
 1685 N STATE RTE 50  
 BOURBONNAIS, IL  
 US 60914  
 Contact: M. POZAN  
 mpozan@belsonsteel.com  
 T: (815)932-7416  
 F: