



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**[SPM701405]**  
 Machine Id  
**SENNEBOGEN 835ME 835.0.2718**  
 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		VCP426446	VCP433818	VCP415010
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	ABNORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	51	88	184
Chromium	ppm	ASTM D5185m	>10	0	<1	6
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	13	3
Lead	ppm	ASTM D5185m	>25	0	4	0
Copper	ppm	ASTM D5185m	>50	18	▲ 381	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	▲ HEAVY	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

**CONTAMINATION**

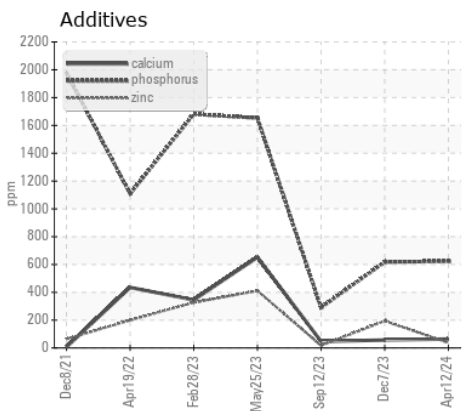
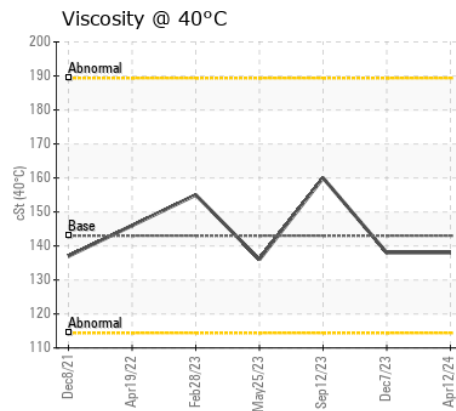
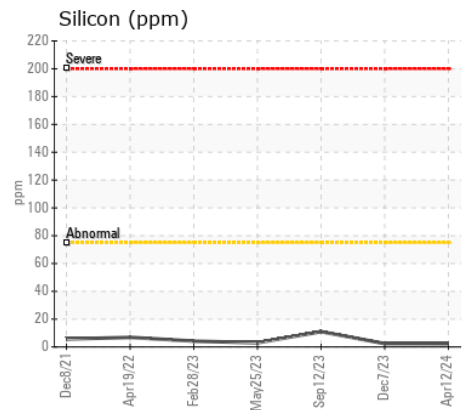
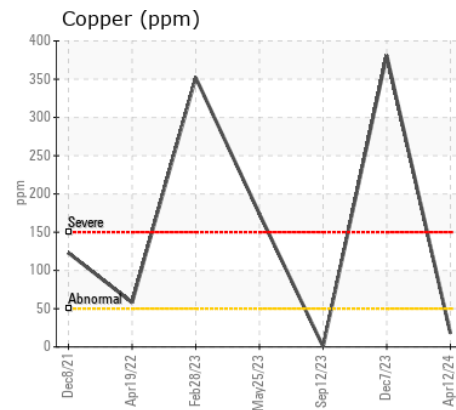
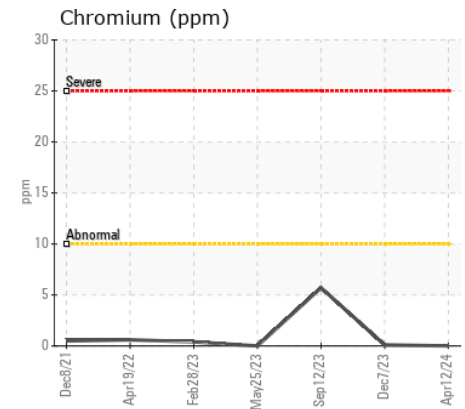
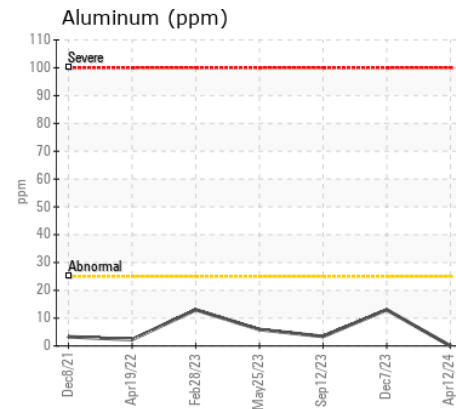
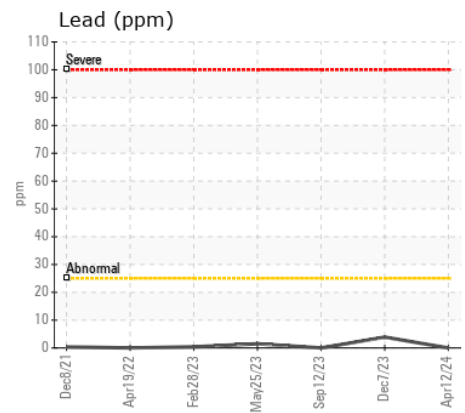
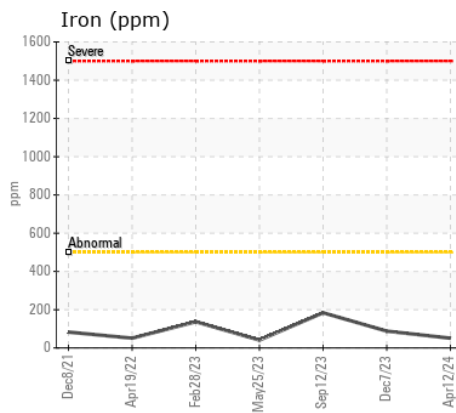
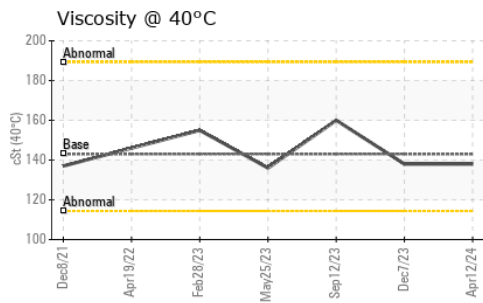
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	2	2	11
Potassium	ppm	ASTM D5185m	>20	0	1	4
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	MODER	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	0.2%	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m	>170	0	1	10
Boron	ppm	ASTM D5185m	400	16	20	0
Barium	ppm	ASTM D5185m	200	1	0	0
Molybdenum	ppm	ASTM D5185m	12	0	0	<1
Manganese	ppm	ASTM D5185m		1	12	6
Magnesium	ppm	ASTM D5185m	12	4	2	2
Calcium	ppm	ASTM D5185m	150	64	57	47
Phosphorus	ppm	ASTM D5185m	1650	623	618	290
Zinc	ppm	ASTM D5185m	125	37	194	17
Sulfur	ppm	ASTM D5185m	22500	21033	20972	17955
Visc @ 40°C	cSt	ASTM D445	143	138	138	160



Certificate L2367

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

**Sample No.** : VCP426446

**Lab Number** : 06160727

**Unique Number** : 10996150

**Test Package** : MOB 1

**Received** : 25 Apr 2024

**Tested** : 30 Apr 2024

**Diagnosed** : 30 Apr 2024 - Wes Davis

**BELSON STEEL**

1685 N STATE RTE 50

BOURBONNAIS, IL

US 60914

Contact: M. POZAN

mpozan@belsonsteel.com

T: (815)932-7416

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)