



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[SPM686831]

Machine Id

SENNEBOGEN 835ME 835.0.2902

Component

Right Swing Drive

Fluid

GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP415341	VCP422968	VCP409233
Sample Date		Client Info		12 Mar 2024	29 Nov 2023	28 Sep 2023
Machine Age	hrs	Client Info		5160	5105	4557
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				ABNORMAL	NORMAL	MARGINAL

WEAR

Bearing and/or bushing wear is indicated.

Iron	ppm	ASTM D5185m	>400	167	93	148
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	2	<1
Lead	ppm	ASTM D5185m	>50	0	2	1
Copper	ppm	ASTM D5185m	>200	▲ 376	168	167
Tin	ppm	ASTM D5185m	>10	▲ 16	8	7
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

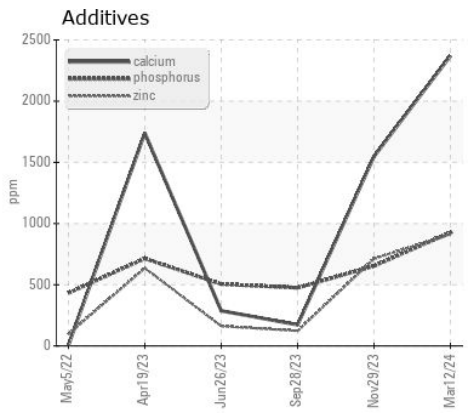
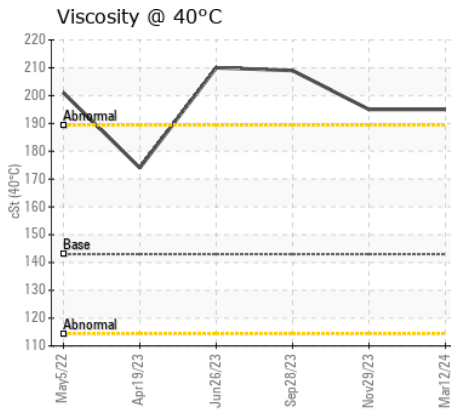
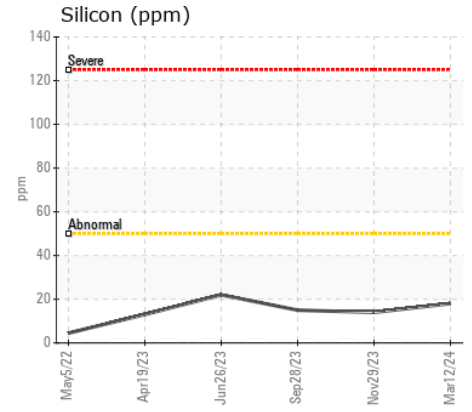
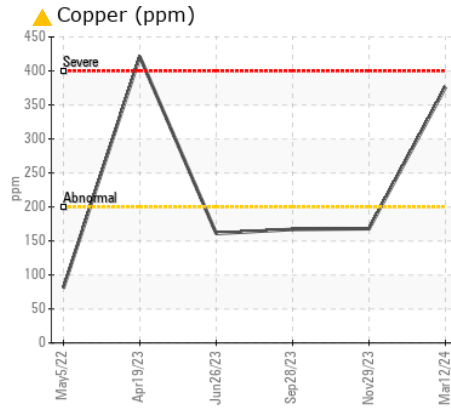
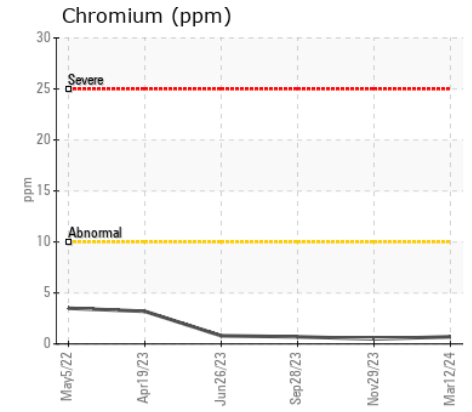
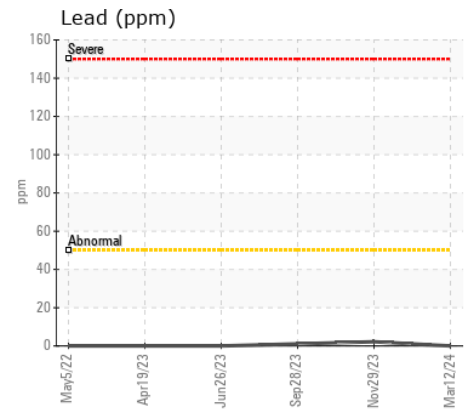
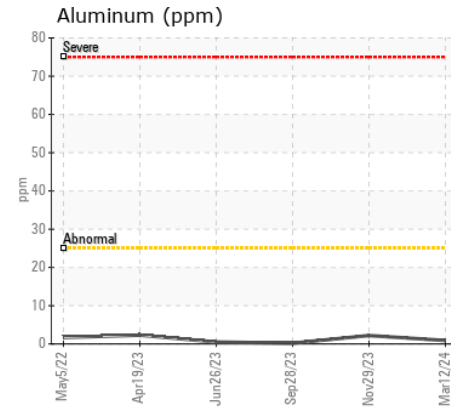
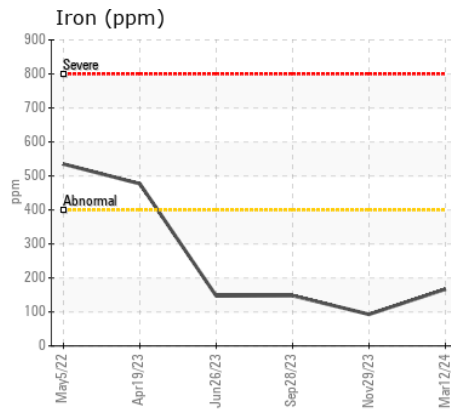
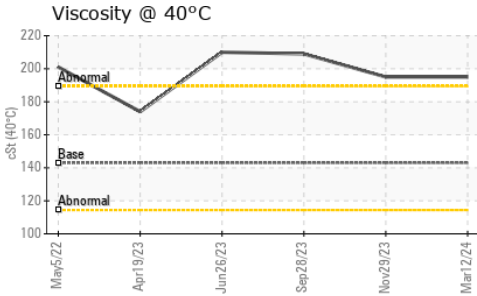
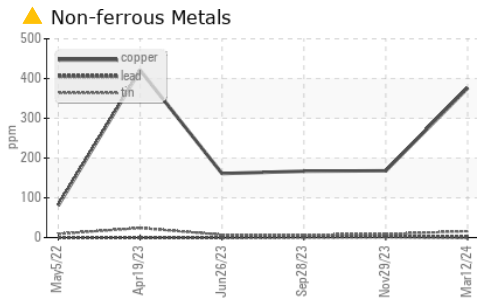
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	18	14	15
Potassium	ppm	ASTM D5185m	>20	0	8	<1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	LIGHT	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	0.2%

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	1	1	<1
Boron	ppm	ASTM D5185m	400	4	5	2
Barium	ppm	ASTM D5185m	200	0	0	0
Molybdenum	ppm	ASTM D5185m	12	<1	1	0
Manganese	ppm	ASTM D5185m		2	1	2
Magnesium	ppm	ASTM D5185m	12	11	22	3
Calcium	ppm	ASTM D5185m	150	2370	1548	173
Phosphorus	ppm	ASTM D5185m	1650	926	653	475
Zinc	ppm	ASTM D5185m	125	911	712	123
Sulfur	ppm	ASTM D5185m	22500	7645	5401	1949
Visc @ 40°C	cSt	ASTM D445	143	195	195	209



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP415341
Lab Number : 06154902
Unique Number : 10990325
Test Package : MOB 1

SIMS METAL MANAGEMENT
 2500 S. PAULINA
 CHICAGO, IL
 US 60608
 Contact: RYAN WISE
 ryan.wise@simsmm.com

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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