



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[SPM686831]
 Machine Id
SENNEBOGEN 835ME 835.0.2902
 Component
Rear 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		VCP435661	VCP422962	VCP423178
Sample Date		Client Info		12 Mar 2024	29 Nov 2023	26 Jun 2023
Machine Age	hrs	Client Info		5160	5105	3988
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
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	64	<1	178
Chromium	ppm	ASTM D5185m	>10	1	0	1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		2	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	2	3
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>50	9	1	▲ 146
Tin	ppm	ASTM D5185m	>10	<1	0	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

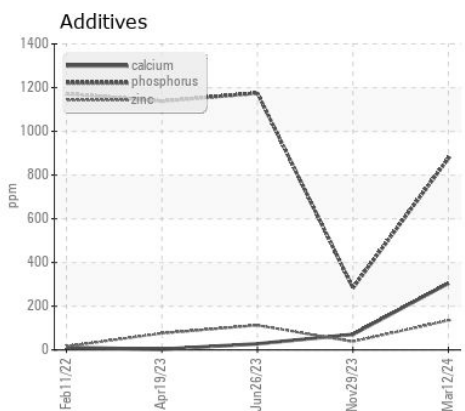
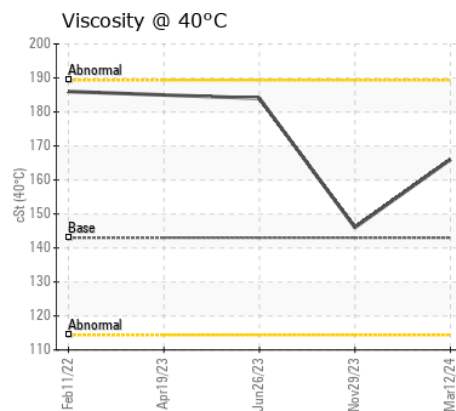
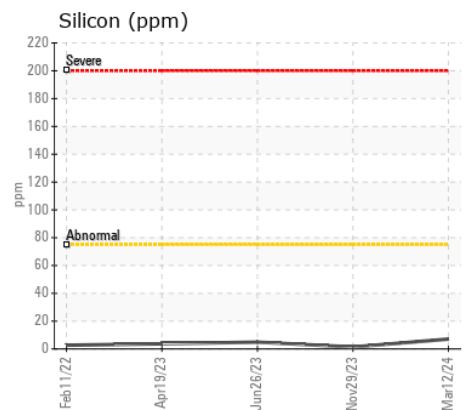
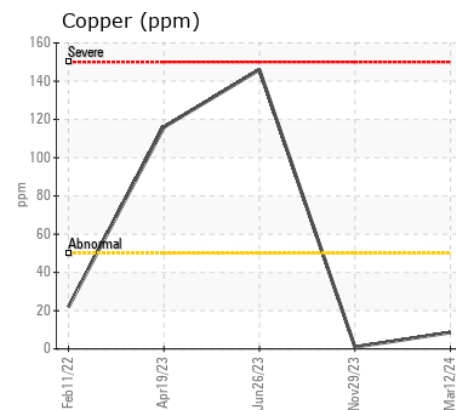
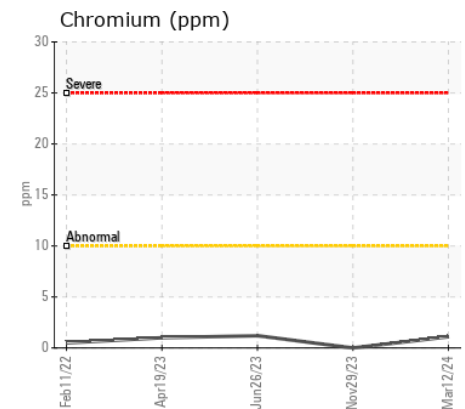
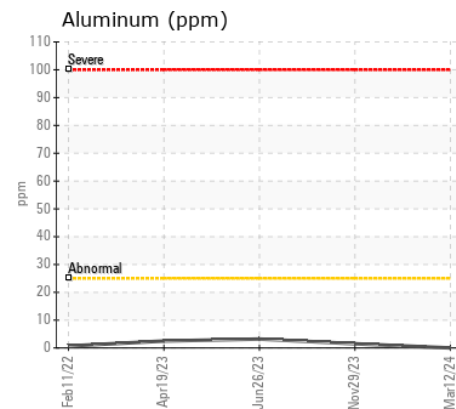
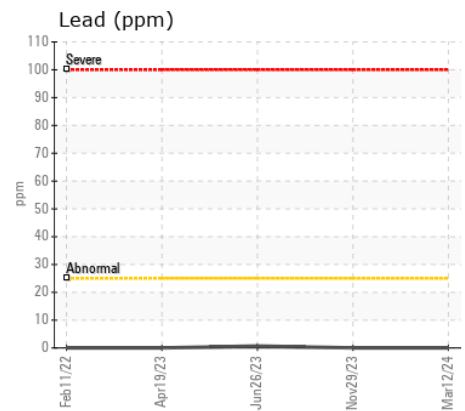
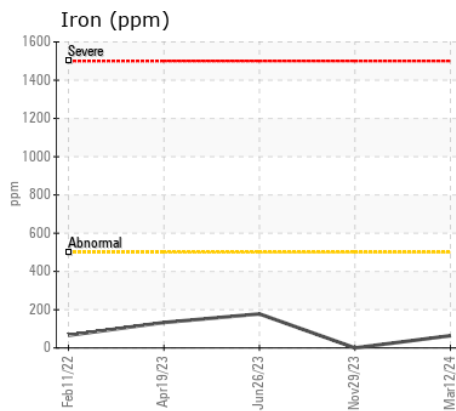
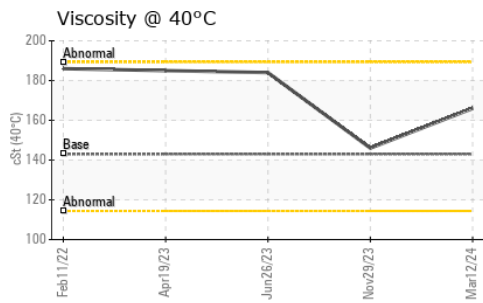
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	7	1	5
Potassium	ppm	ASTM D5185m	>20	1	9	0
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	LIGHT
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	9	1	5
Boron	ppm	ASTM D5185m	400	27	0	0
Barium	ppm	ASTM D5185m	200	0	4	387
Molybdenum	ppm	ASTM D5185m	12	0	0	0
Manganese	ppm	ASTM D5185m		2	0	6
Magnesium	ppm	ASTM D5185m	12	14	11	5
Calcium	ppm	ASTM D5185m	150	305	71	28
Phosphorus	ppm	ASTM D5185m	1650	877	284	1175
Zinc	ppm	ASTM D5185m	125	135	38	113
Sulfur	ppm	ASTM D5185m	22500	20071	12675	25056
Visc @ 40°C	cSt	ASTM D445	143	166	146	184



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP435661 **Received** : 19 Apr 2024
Lab Number : 06154854 **Tested** : 22 Apr 2024
Unique Number : 10990277 **Diagnosed** : 23 Apr 2024 - Don Baldrige
Test Package : MOB 1

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