



VOLVO

OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

SEVERE

NORMAL

NORMAL

Area

[660061 GLE]

Machine Id

SENNEBOGEN 830 830.0.2758

Component

Swing Drive

Fluid

MOBIL MOBILGEAR 600 XP 220 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP445861	VCP392733	---
Sample Date		Client Info		19 Feb 2024	08 Feb 2023	---
Machine Age	hrs	Client Info		8236	6106	---
Oil Age	hrs	Client Info		2000	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Not Changed	Not Changed	---
Sample Status				SEVERE	ATTENTION	---

WEAR

Gear wear is indicated. Bearing and/or bushing wear is indicated.

Iron	ppm	ASTM D5185m	>400	▲ 1013	249	---
Chromium	ppm	ASTM D5185m	>10	7	2	---
Nickel	ppm	ASTM D5185m	>10	<1	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	<1	---
Aluminum	ppm	ASTM D5185m	>25	1	2	---
Lead	ppm	ASTM D5185m	>50	2	<1	---
Copper	ppm	ASTM D5185m	>200	▲ 394	4	---
Tin	ppm	ASTM D5185m	>10	▲ 38	<1	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

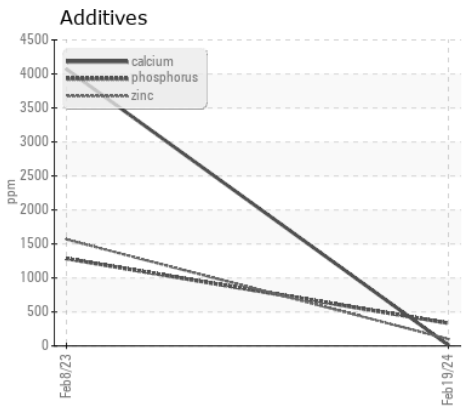
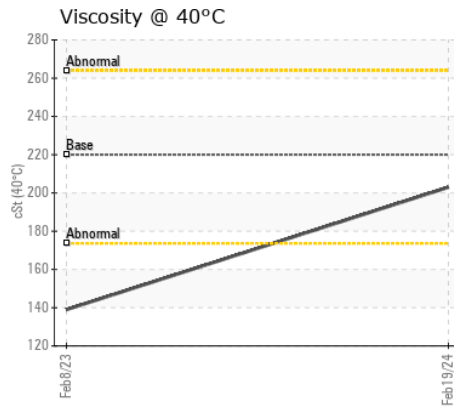
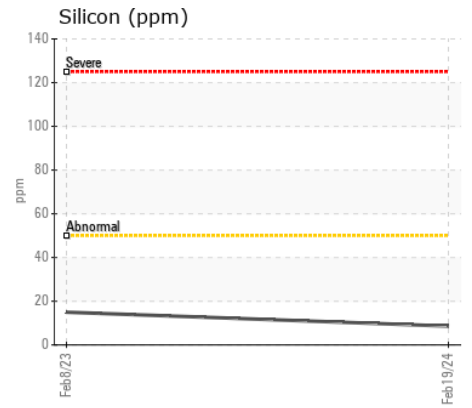
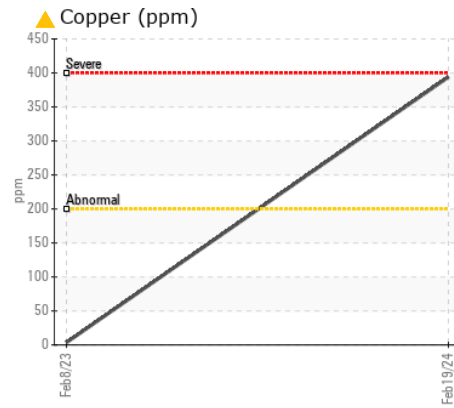
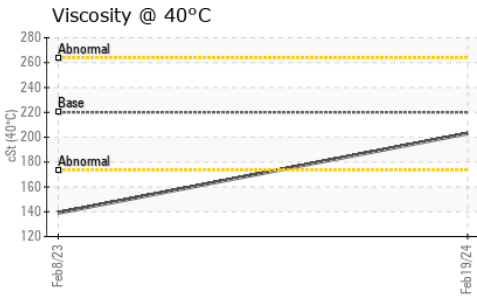
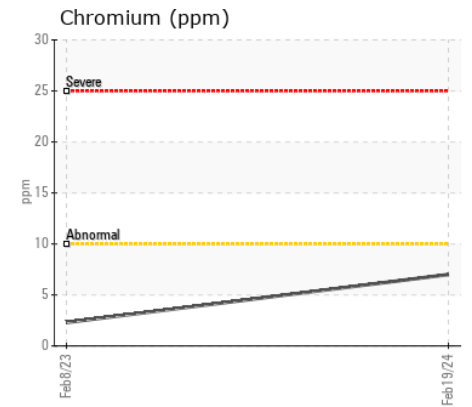
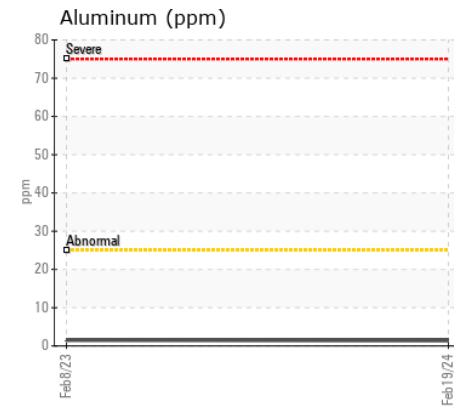
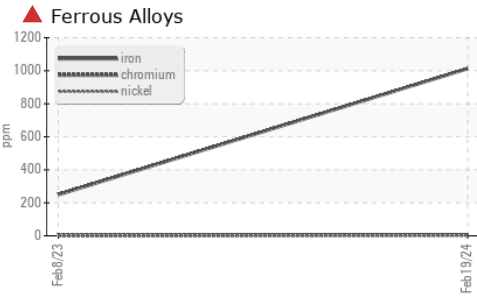
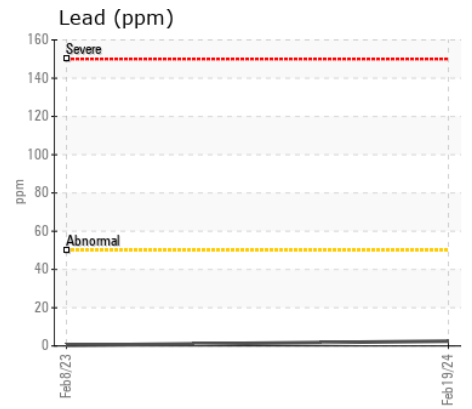
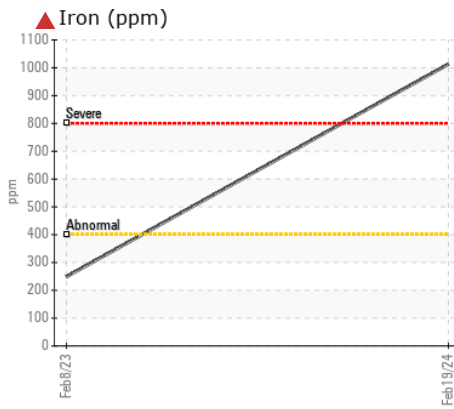
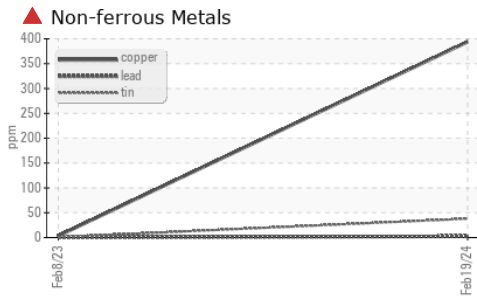
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	9	15	---
Potassium	ppm	ASTM D5185m	>20	0	1	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185m		4	2	---
Boron	ppm	ASTM D5185m		19	● 134	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		<1	3	---
Manganese	ppm	ASTM D5185m		10	3	---
Magnesium	ppm	ASTM D5185m		0	15	---
Calcium	ppm	ASTM D5185m		12	● 4070	---
Phosphorus	ppm	ASTM D5185m		334	● 1284	---
Zinc	ppm	ASTM D5185m		101	● 1566	---
Sulfur	ppm	ASTM D5185m		6342	● 3315	---
Visc @ 40°C	cSt	ASTM D445	220	203	● 139	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP445861
Lab Number : 06098720
Unique Number : 10896950
Test Package : MOB 1

Received : 23 Feb 2024
Tested : 26 Feb 2024
Diagnosed : 26 Feb 2024 - Don Baldrige

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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)