



VOLVO

OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

SEVERE

SEVERE

NORMAL

Area

[687658]

Machine Id

SENNEBOGEN 840E 2236

Component

Left Swing Drive

Fluid

MOBIL MOBILGEAR SHC 220 (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. 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.

WEAR

Bearing and/or gear wear is indicated.

CONTAMINATION

There is a high concentration of water present in the oil.

FLUID CONDITION

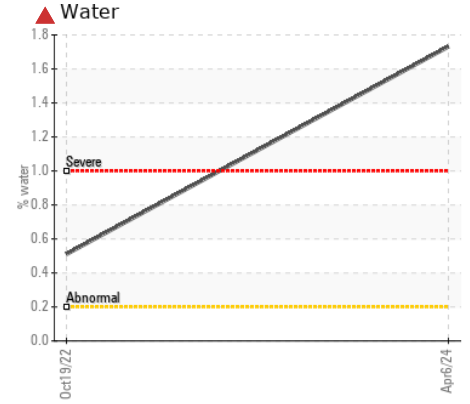
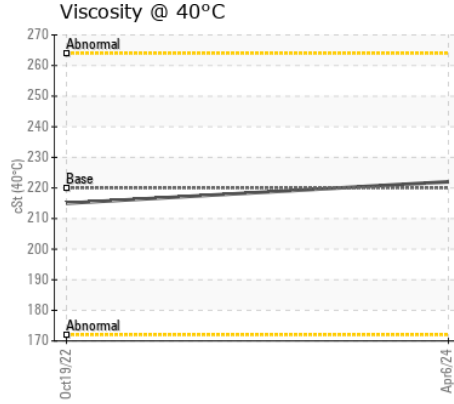
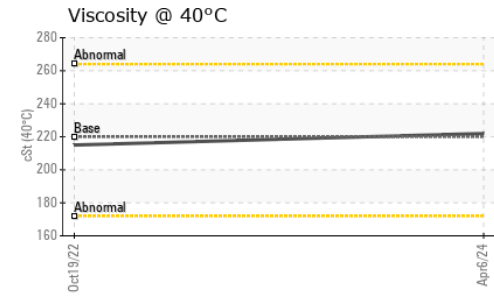
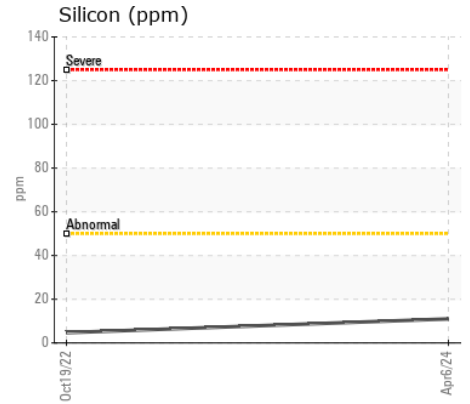
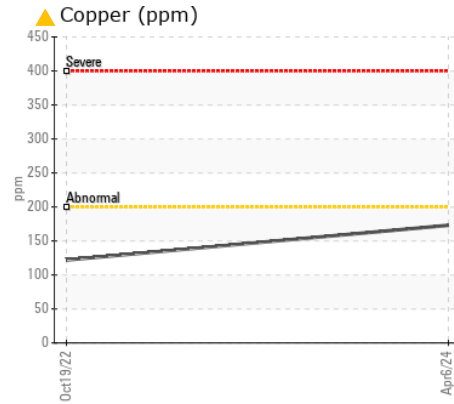
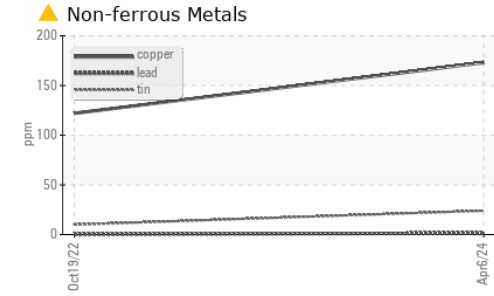
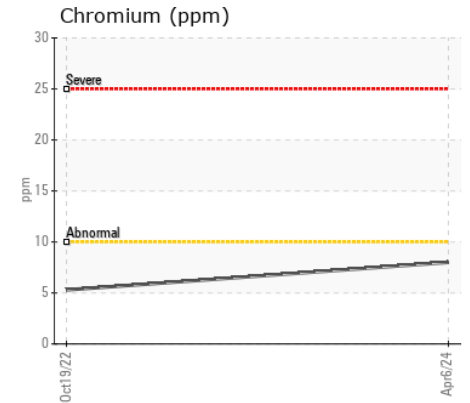
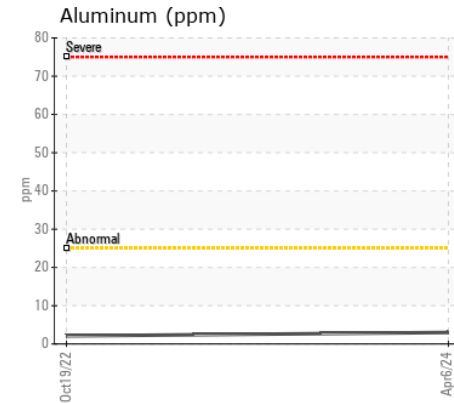
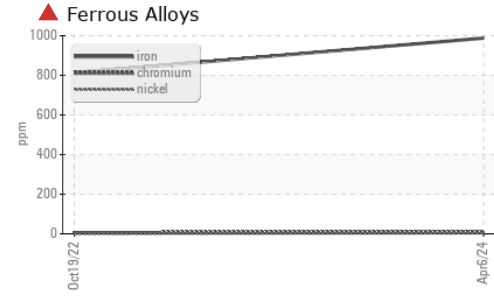
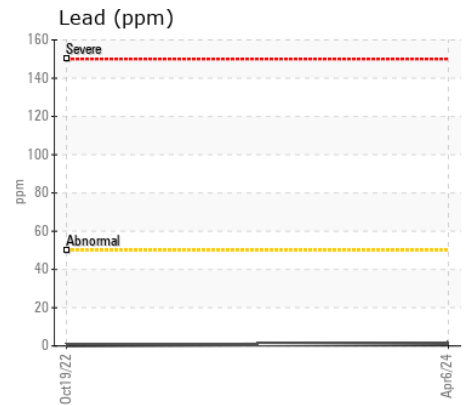
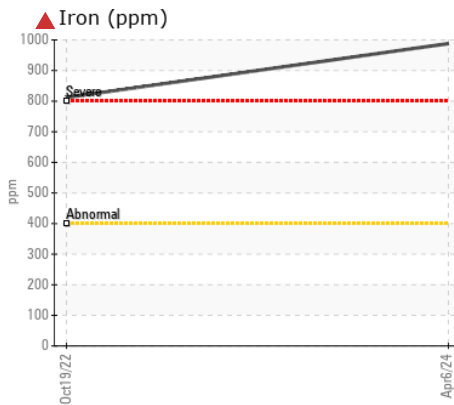
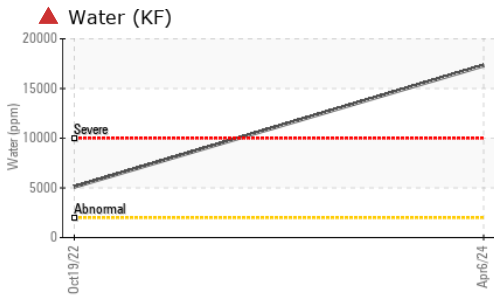
The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP436395	VCP391286	---
Sample Date		Client Info		06 Apr 2024	19 Oct 2022	---
Machine Age	hrs	Client Info		9731	6387	---
Oil Age	hrs	Client Info		2000	2000	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Not Changed	Not Changed	---
Sample Status				SEVERE	ABNORMAL	---

Iron	ppm	ASTM D5185m	>400	▲ 988	▲ 812	---
Chromium	ppm	ASTM D5185m	>10	8	5	---
Nickel	ppm	ASTM D5185m	>10	2	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>25	3	2	---
Lead	ppm	ASTM D5185m	>50	1	<1	---
Copper	ppm	ASTM D5185m	>200	▲ 173	122	---
Tin	ppm	ASTM D5185m	>10	▲ 24	10	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

Silicon	ppm	ASTM D5185m	>50	11	5	---
Potassium	ppm	ASTM D5185m	>20	1	2	---
Water	%	ASTM D6304	>0.2	▲ 1.73	▲ 0.509	---
ppm Water	ppm	ASTM D6304	>2000	▲ 17300	▲ 5090	---
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	▲ 0.2%	▲ 0.2%	---

Sodium	ppm	ASTM D5185m		2	0	---
Boron	ppm	ASTM D5185m		16	21	---
Barium	ppm	ASTM D5185m		0	2	---
Molybdenum	ppm	ASTM D5185m		2	<1	---
Manganese	ppm	ASTM D5185m		8	6	---
Magnesium	ppm	ASTM D5185m		3	1	---
Calcium	ppm	ASTM D5185m		18	57	---
Phosphorus	ppm	ASTM D5185m		295	323	---
Zinc	ppm	ASTM D5185m		62	87	---
Sulfur	ppm	ASTM D5185m		13947	18414	---
Visc @ 40°C	cSt	ASTM D445	220	222	215	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP436395 **Received** : 17 Apr 2024
Lab Number : 06152354 **Tested** : 22 Apr 2024
Unique Number : 10982432 **Diagnosed** : 22 Apr 2024 - Sean Felton
Test Package : MOB 1 (Additional Tests: KF)

FERROUS PROCESSING AND TRADING
 3400 E LAFAYETTE
 DETROIT, MI
 US 48207
 Contact: KEITH HALL
 keith.hall@fpt1.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)

T:
F: