



VOLVO

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[SPM646179]
 Machine Id
SENNEBOGEN 835 835.0.3282
 Component
Front Left Final Drive
 Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

The copper level is abnormal. Moderate concentration of visible metal present.

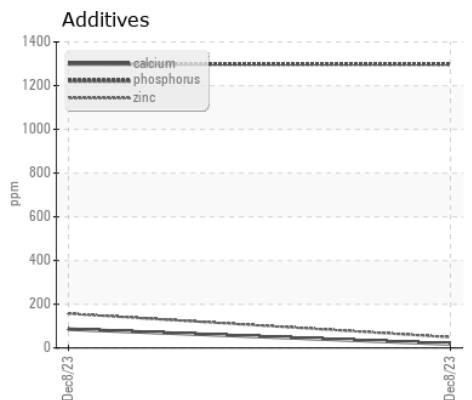
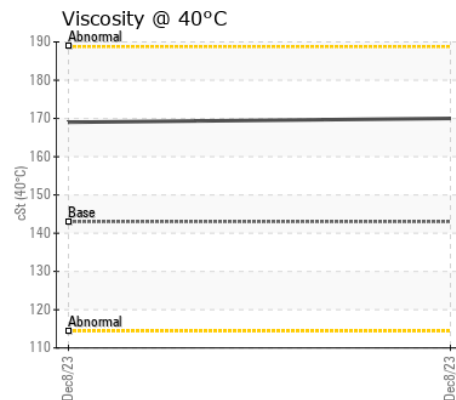
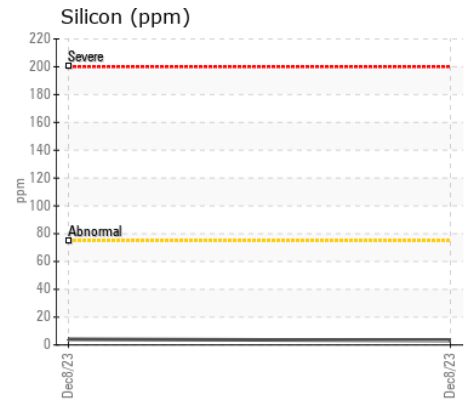
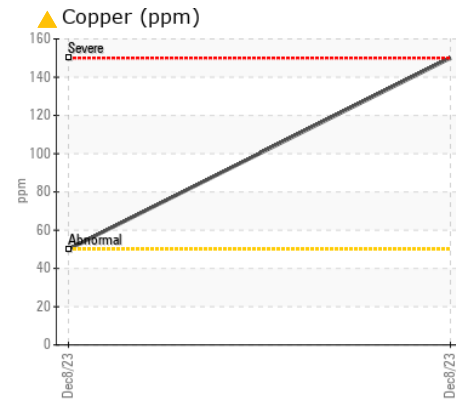
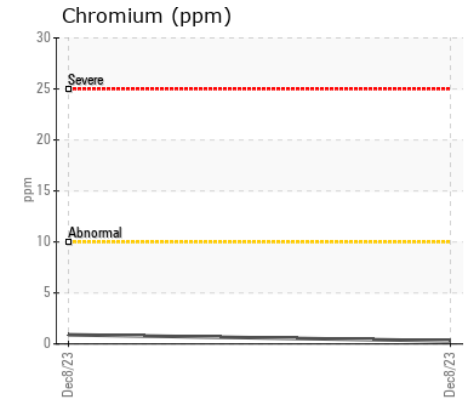
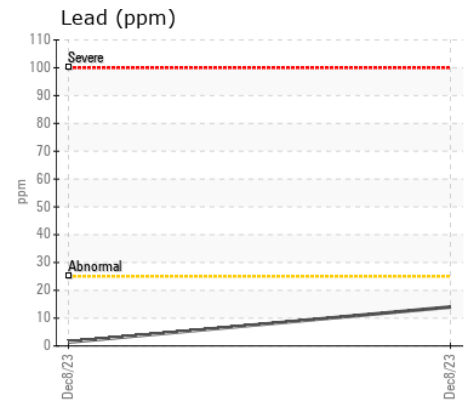
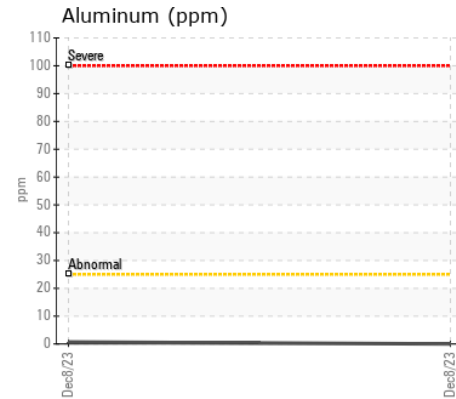
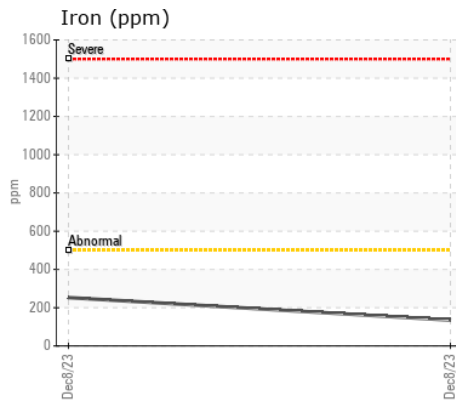
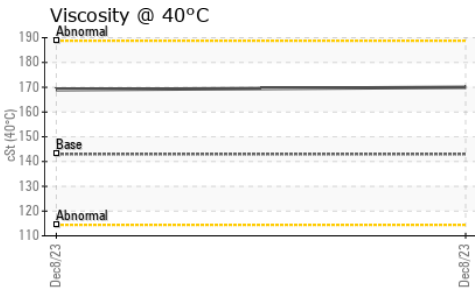
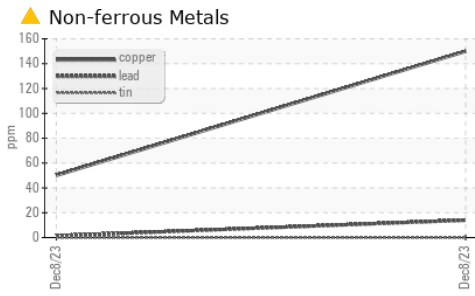
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP436983	VCP393792	---
Sample Date		Client Info		08 Dec 2023	08 Dec 2023	---
Machine Age	hrs	Client Info		223	223	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Not Changed	Not Changed	---
Sample Status				ABNORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>500	253	135	---
Chromium	ppm	ASTM D5185m	>10	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	<1	0	---
Lead	ppm	ASTM D5185m	>25	1	14	---
Copper	ppm	ASTM D5185m	>50	▲ 50	▲ 150	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	▲ MODER	▲ MODER	---
Silicon	ppm	ASTM D5185m	>75	4	3	---
Potassium	ppm	ASTM D5185m	>20	0	0	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	LIGHT	---
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	---
Sodium	ppm	ASTM D5185m	>170	12	11	---
Boron	ppm	ASTM D5185m	400	43	28	---
Barium	ppm	ASTM D5185m	200	255	218	---
Molybdenum	ppm	ASTM D5185m	12	<1	0	---
Manganese	ppm	ASTM D5185m		5	4	---
Magnesium	ppm	ASTM D5185m	12	<1	<1	---
Calcium	ppm	ASTM D5185m	150	18	86	---
Phosphorus	ppm	ASTM D5185m	1650	1298	1299	---
Zinc	ppm	ASTM D5185m	125	49	157	---
Sulfur	ppm	ASTM D5185m	22500	28545	28511	---
Visc @ 40°C	cSt	ASTM D445	143	170	169	---



Certificate L2367

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

Sample No. : VCP436983

Lab Number : 06086326

Unique Number : 10873771

Test Package : MOB 1

Received : 12 Feb 2024

Tested : 13 Feb 2024

Diagnosed : 14 Feb 2024 - Jonathan Hester

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)