



VOLVO

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[SPM688428]

Machine Id

SENNEBOGEN 835M 835.0.3000

Component

Front Left Final Drive

Fluid

GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

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

WEAR

The copper level has decreased, but is still abnormal. Bearing and/or bushing wear is indicated.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

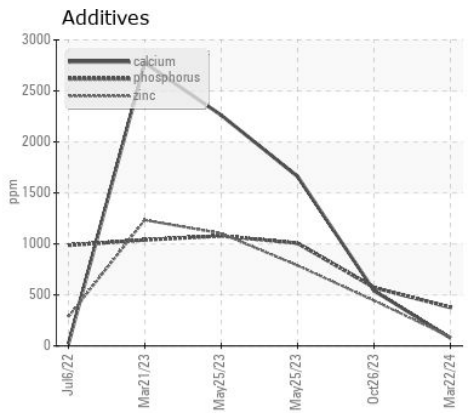
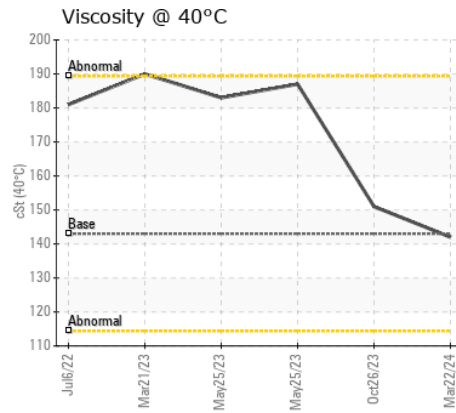
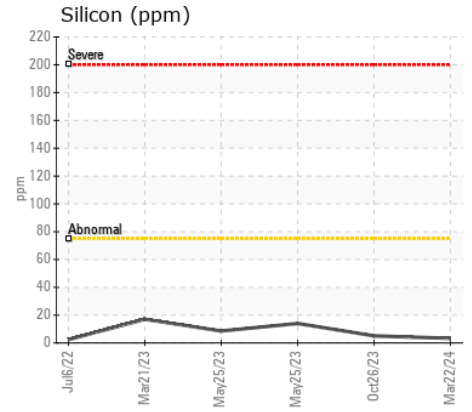
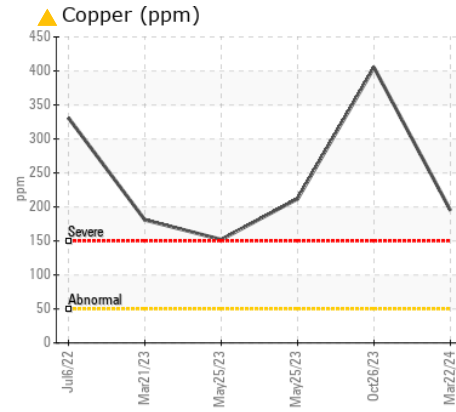
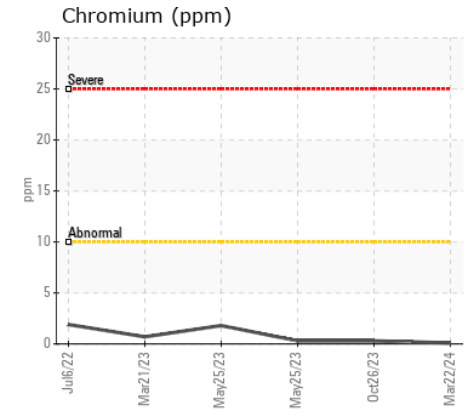
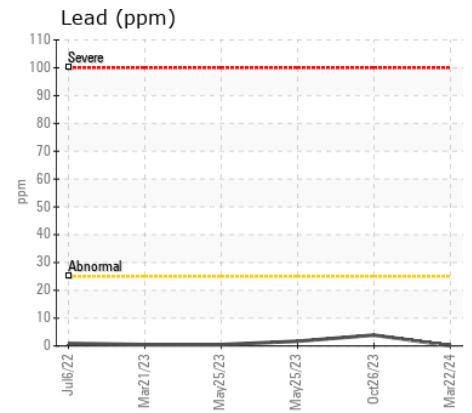
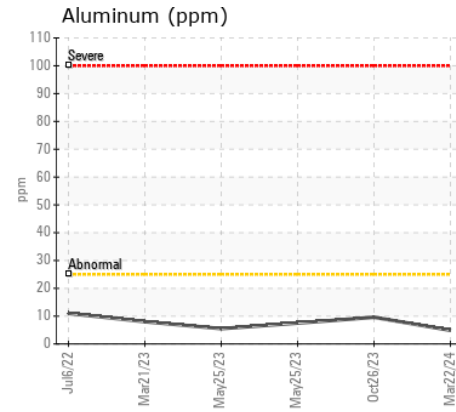
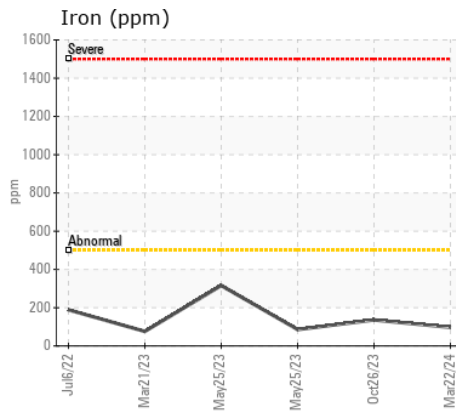
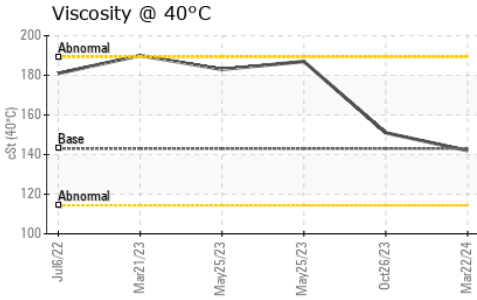
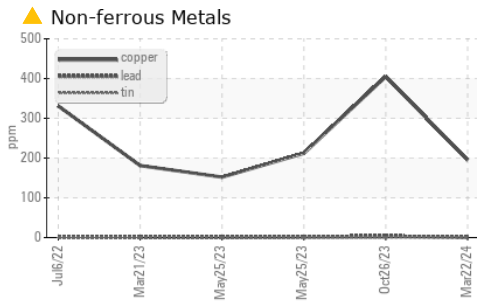
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP427245	VCP433298	VCP407606
Sample Date		Client Info		22 Mar 2024	26 Oct 2023	25 May 2023
Machine Age	hrs	Client Info		4647	4088	3007
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				ABNORMAL	SEVERE	ABNORMAL

Iron	ppm	ASTM D5185m	>500	97	136	316
Chromium	ppm	ASTM D5185m	>10	<1	<1	2
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	5	10	6
Lead	ppm	ASTM D5185m	>25	<1	4	<1
Copper	ppm	ASTM D5185m	>50	▲ 195	▲ 405	▲ 152
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	▲ HEAVY	▲ MODER

Silicon	ppm	ASTM D5185m	>75	3	5	9
Potassium	ppm	ASTM D5185m	>20	<1	0	1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	MODER	MODER
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

Sodium	ppm	ASTM D5185m	>170	2	2	5
Boron	ppm	ASTM D5185m	400	0	5	1
Barium	ppm	ASTM D5185m	200	0	0	122
Molybdenum	ppm	ASTM D5185m	12	0	0	<1
Manganese	ppm	ASTM D5185m		5	13	12
Magnesium	ppm	ASTM D5185m	12	2	0	12
Calcium	ppm	ASTM D5185m	150	79	542	1661
Phosphorus	ppm	ASTM D5185m	1650	378	573	1007
Zinc	ppm	ASTM D5185m	125	86	445	789
Sulfur	ppm	ASTM D5185m	22500	20899	13291	17959
Visc @ 40°C	cSt	ASTM D445	143	142	151	187



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP427245
Lab Number : 06154859
Unique Number : 10990282
Test Package : MOB 1

Received : 19 Apr 2024
Tested : 22 Apr 2024
Diagnosed : 23 Apr 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)