



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[SPM688436]
 Machine Id
SENNEBOGEN 835ME 835.0.3070
 Component
Front Axle
 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		VCP427250	VCP409268	VCP402104
Sample Date		Client Info		22 Mar 2024	11 Aug 2023	20 Mar 2023
Machine Age	hrs	Client Info		3312	2000	1076
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	117	3	10
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	0	0
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	39	9	9
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

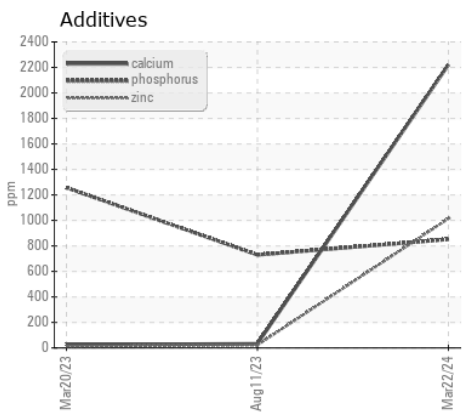
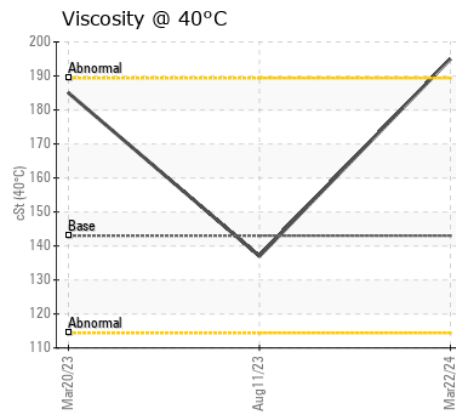
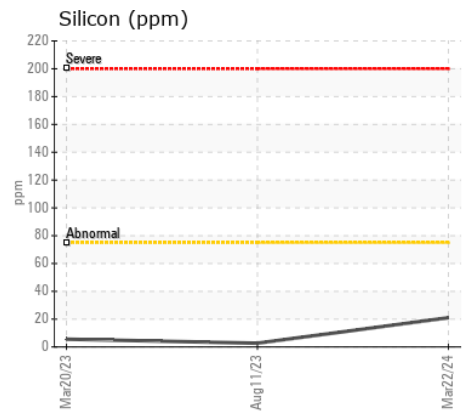
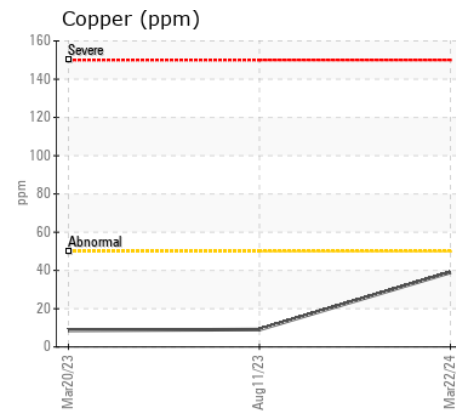
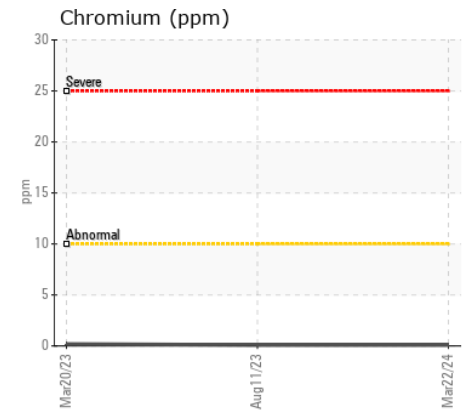
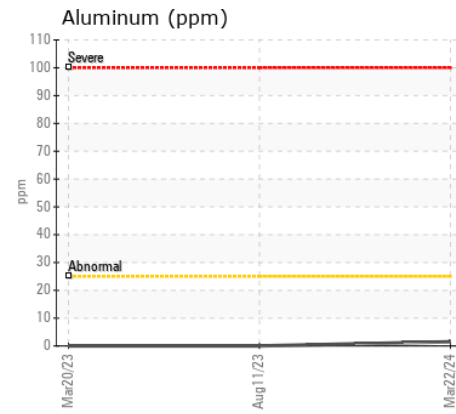
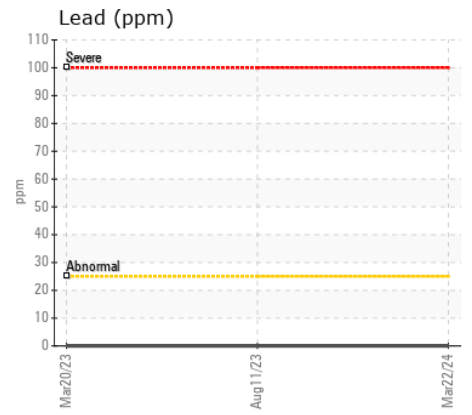
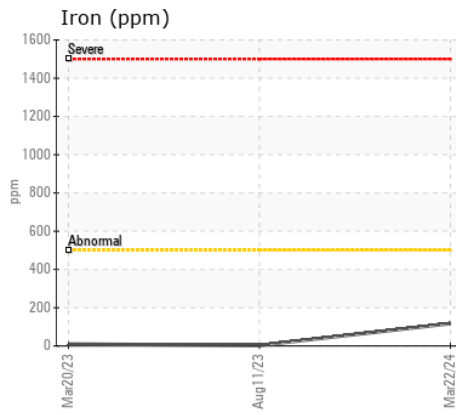
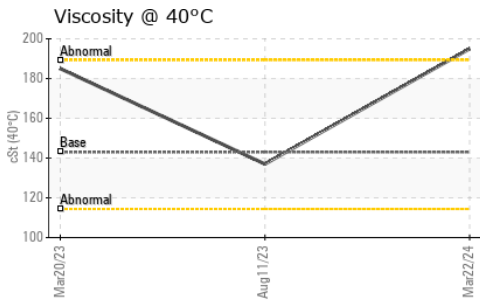
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>75	21	3	6
Potassium	ppm	ASTM D5185m	>20	0	0	<1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	<1	1	2
Boron	ppm	ASTM D5185m	400	10	22	0
Barium	ppm	ASTM D5185m	200	1	1	387
Molybdenum	ppm	ASTM D5185m	12	2	<1	<1
Manganese	ppm	ASTM D5185m		3	0	<1
Magnesium	ppm	ASTM D5185m	12	28	0	<1
Calcium	ppm	ASTM D5185m	150	2221	33	25
Phosphorus	ppm	ASTM D5185m	1650	852	730	1257
Zinc	ppm	ASTM D5185m	125	1014	22	13
Sulfur	ppm	ASTM D5185m	22500	6847	20290	25463
Visc @ 40°C	cSt	ASTM D445	143	195	137	185



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP427250 **Received** : 19 Apr 2024
Lab Number : 06154885 **Tested** : 22 Apr 2024
Unique Number : 10990308 **Diagnosed** : 24 Apr 2024 - Sean Felton
Test Package : MOB 1

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)

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