



# VOLVO

## OIL ANALYSIS REPORT

WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area

[SPM701405]

Machine Id

SENNEBOGEN 835ME 835.0.2718

Component

Rear Left Final Drive

Fluid

GEAR OIL SAE 80W90 (--- GAL)

### RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP443536	VCP433817	VCP415008
Sample Date		Client Info		12 Apr 2024	07 Dec 2023	12 Sep 2023
Machine Age	hrs	Client Info		9760	8880	8383
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

### WEAR

The copper level is abnormal. High concentration of visible metal present. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	38	40	186
Chromium	ppm	ASTM D5185m	>10	0	0	6
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	<1	3
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	▲ 125	20	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	▲ HEAVY	NONE	NONE

### CONTAMINATION

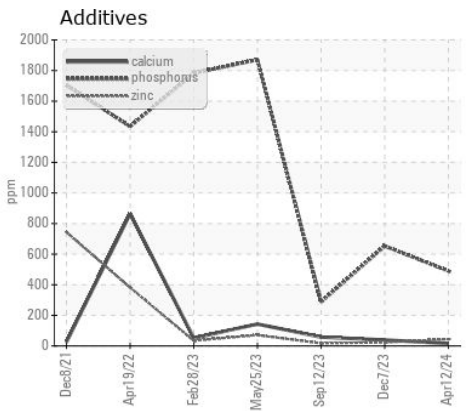
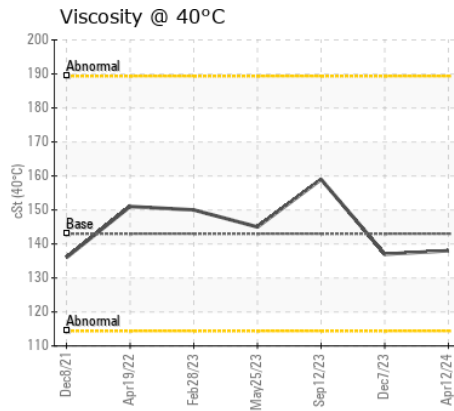
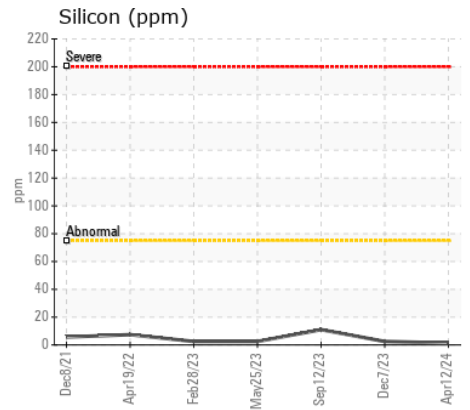
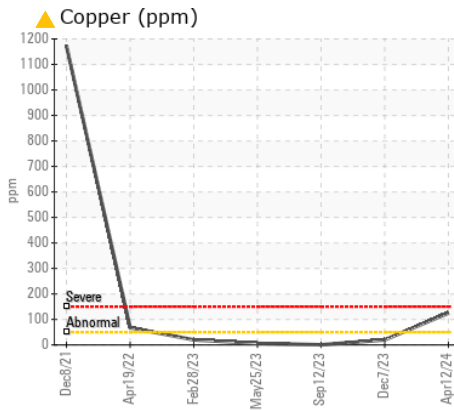
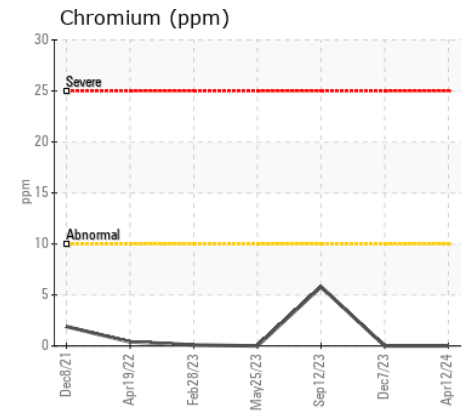
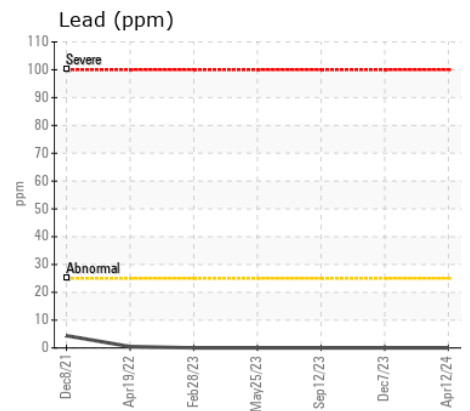
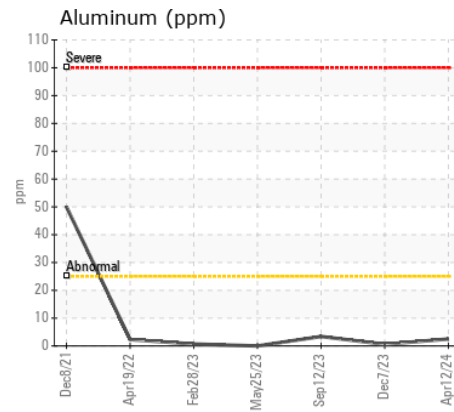
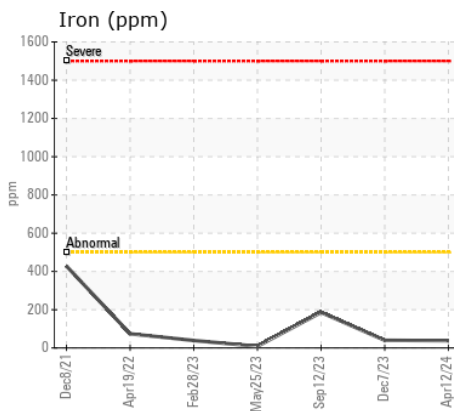
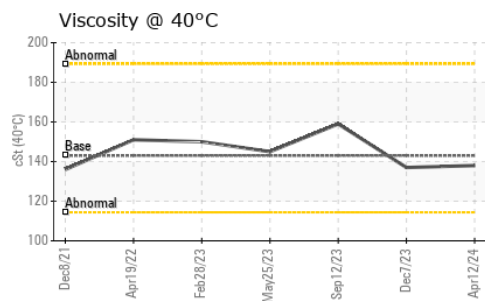
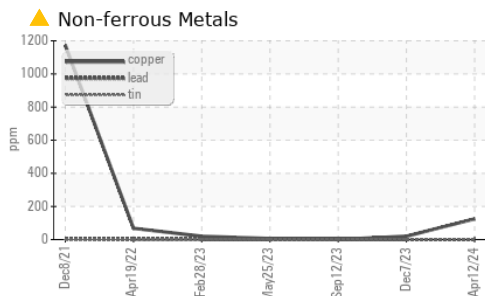
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	1	2	11
Potassium	ppm	ASTM D5185m	>20	0	<1	4
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>170	0	<1	11
Boron	ppm	ASTM D5185m	400	7	20	0
Barium	ppm	ASTM D5185m	200	0	0	0
Molybdenum	ppm	ASTM D5185m	12	0	0	<1
Manganese	ppm	ASTM D5185m		4	1	6
Magnesium	ppm	ASTM D5185m	12	2	<1	2
Calcium	ppm	ASTM D5185m	150	16	39	58
Phosphorus	ppm	ASTM D5185m	1650	490	653	288
Zinc	ppm	ASTM D5185m	125	44	23	17
Sulfur	ppm	ASTM D5185m	22500	21931	21472	17727
Visc @ 40°C	cSt	ASTM D445	143	138	137	159



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP443536 **Received** : 25 Apr 2024  
**Lab Number** : 06160728 **Tested** : 30 Apr 2024  
**Unique Number** : 10996151 **Diagnosed** : 30 Apr 2024 - Jonathan Hester  
**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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