



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[SPM700133]
 Machine Id
SENNEBOGEN 825ME 825.0.3415
 Component
Rear Differential
 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		VCP413908	VCP415189	VCP418519
Sample Date		Client Info		12 Apr 2024	25 Aug 2023	08 May 2023
Machine Age	hrs	Client Info		8667	7037	6085
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	102	21	9
Chromium	ppm	ASTM D5185m	>10	0	<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	1	1	0
Lead	ppm	ASTM D5185m	>25	<1	0	0
Copper	ppm	ASTM D5185m	>100	42	5	2
Tin	ppm	ASTM D5185m	>10	<1	<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

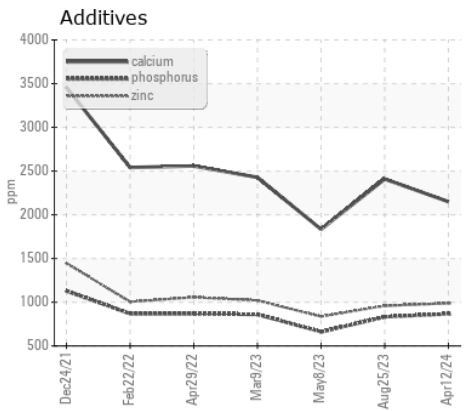
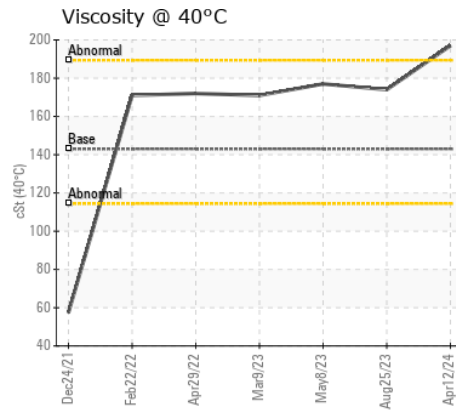
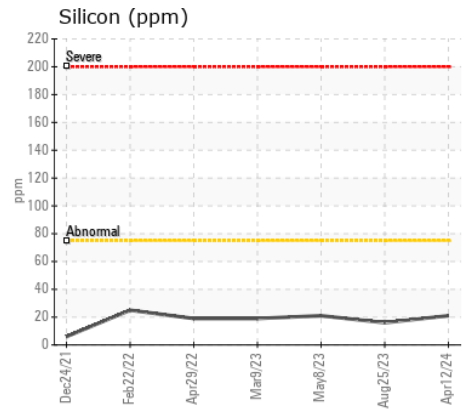
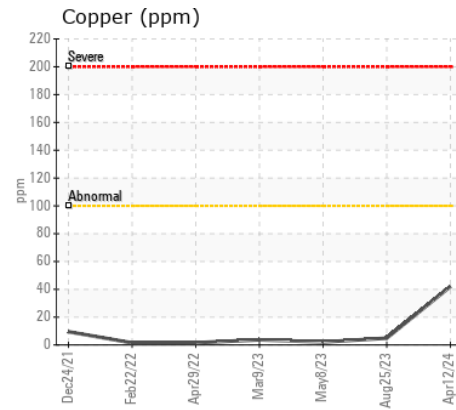
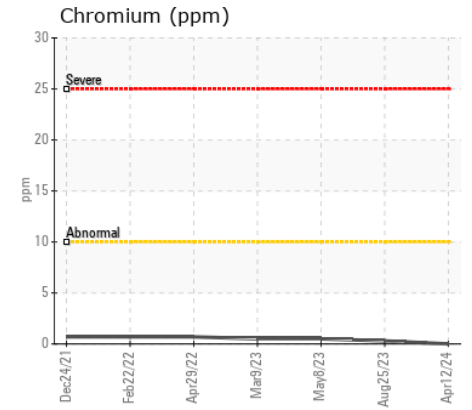
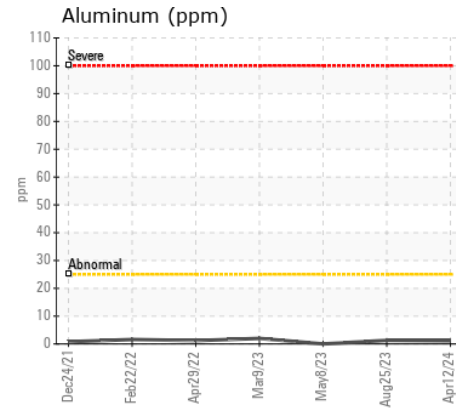
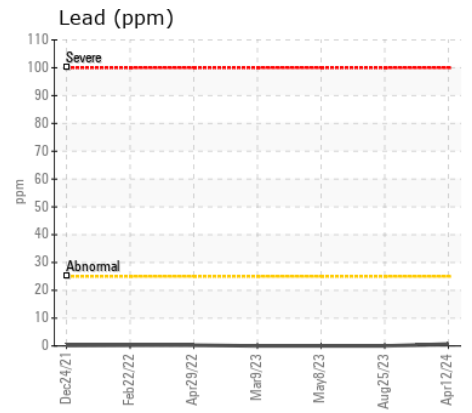
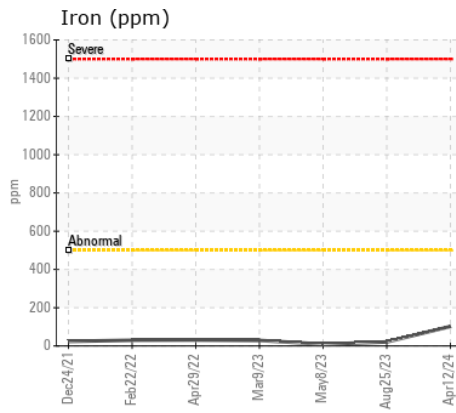
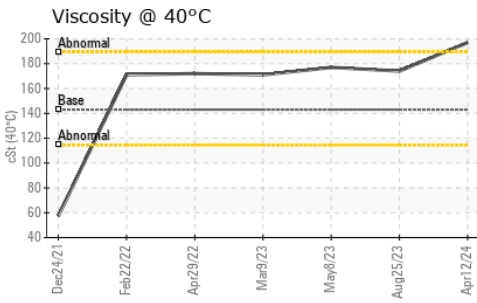
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	21	16	21
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	LIGHT	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	>.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	2	4	2
Boron	ppm	ASTM D5185m	400	10	15	10
Barium	ppm	ASTM D5185m	200	11	<1	0
Molybdenum	ppm	ASTM D5185m	12	1	1	1
Manganese	ppm	ASTM D5185m		3	2	1
Magnesium	ppm	ASTM D5185m	12	36	32	15
Calcium	ppm	ASTM D5185m	150	2150	2409	1834
Phosphorus	ppm	ASTM D5185m	1650	867	833	661
Zinc	ppm	ASTM D5185m	125	988	959	836
Sulfur	ppm	ASTM D5185m	22500	7053	10287	7195
Visc @ 40°C	cSt	ASTM D445	143	197	174	177



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP413908 **Received** : 19 Apr 2024
Lab Number : 06154856 **Tested** : 22 Apr 2024
Unique Number : 10990279 **Diagnosed** : 23 Apr 2024 - Don Baldrige
Test Package : MOB 1

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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)