



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[SPM688428]
 Machine Id
SENNEBOGEN 835M 835.0.3000
 Component
Left Swing Drive
 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		VCP427244	VCP433708	VCP399741
Sample Date		Client Info		22 Mar 2024	26 Oct 2023	21 Mar 2023
Machine Age	hrs	Client Info		4647	4088	2502
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 Changd	Not Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>400	170	396	193
Chromium	ppm	ASTM D5185m	>10	1	2	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	0	0	<1
Lead	ppm	ASTM D5185m	>50	0	1	0
Copper	ppm	ASTM D5185m	>200	86	▲ 223	● 187
Tin	ppm	ASTM D5185m	>10	5	▲ 14	● 8
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

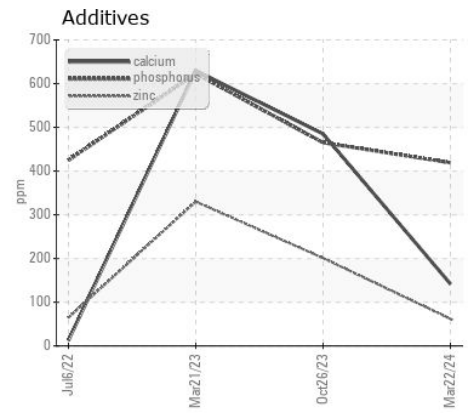
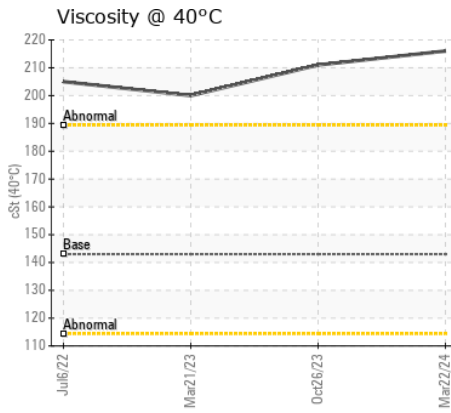
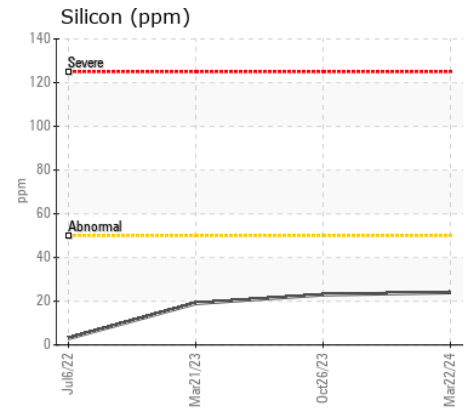
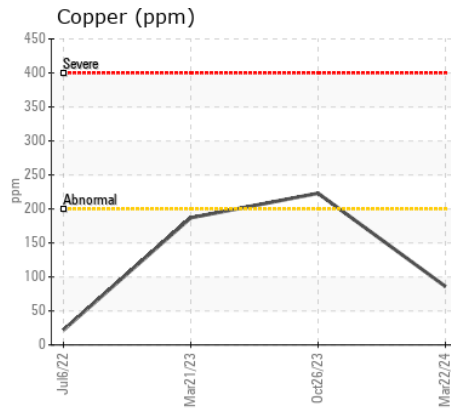
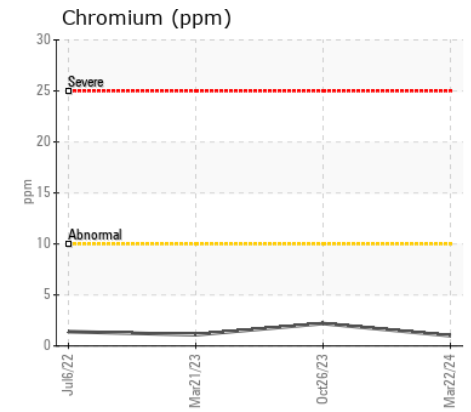
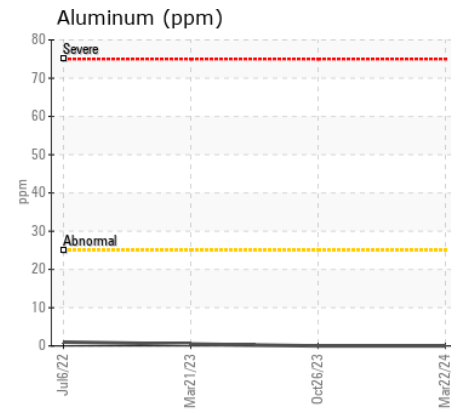
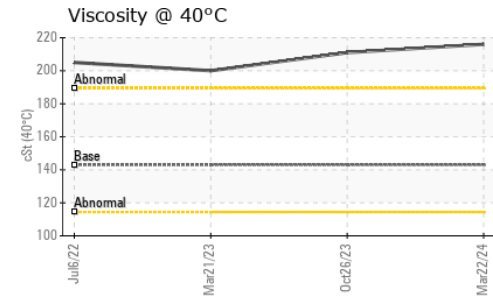
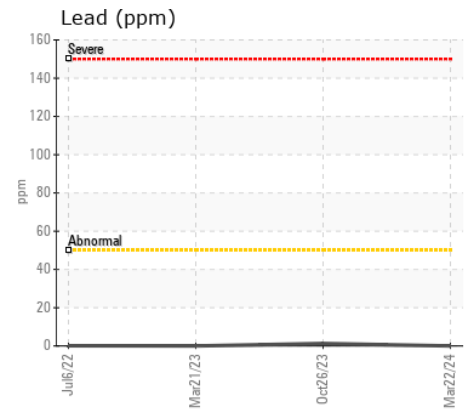
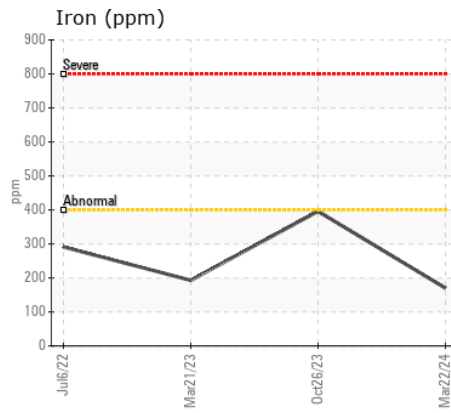
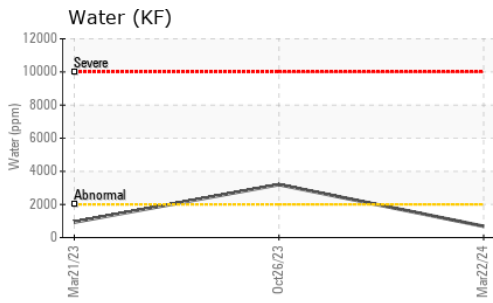
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	24	23	19
Potassium	ppm	ASTM D5185m	>20	<1	0	1
Water	%	ASTM D6304	>0.2	0.068	▲ 0.320	0.093
ppm Water	ppm	ASTM D6304	>2000	680	▲ 3200	930
Silt	scalar	*Visual	NONE	MODER	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	0.2%	0.2%	0.2%

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	2	<1	0
Boron	ppm	ASTM D5185m	400	<1	7	4
Barium	ppm	ASTM D5185m	200	0	0	0
Molybdenum	ppm	ASTM D5185m	12	0	0	<1
Manganese	ppm	ASTM D5185m		2	3	2
Magnesium	ppm	ASTM D5185m	12	1	0	5
Calcium	ppm	ASTM D5185m	150	142	485	630
Phosphorus	ppm	ASTM D5185m	1650	419	465	623
Zinc	ppm	ASTM D5185m	125	62	201	330
Sulfur	ppm	ASTM D5185m	22500	1431	2446	3127
Visc @ 40°C	cSt	ASTM D445	143	216	211	200



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP427244 **Received** : 19 Apr 2024
Lab Number : 06154833 **Tested** : 23 Apr 2024
Unique Number : 10990256 **Diagnosed** : 23 Apr 2024 - Don Baldrige
Test Package : MOB 1 (Additional Tests: KF)

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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