



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[SWA560052-10 ALTER]

Machine Id
SENNEBOGEN 835 835.0.2949

Component
Front Right Final Drive

Fluid
VOLVO PREMIUM GEAR OIL 80W-90 GL-5 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP453606	VCP434447	VCP396393
Sample Date		Client Info		17 May 2024	01 Mar 2024	10 Oct 2023
Machine Age	hrs	Client Info		5900	5345	4362
Oil Age	hrs	Client Info		2000	1000	2000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	292	174	436
Chromium	ppm	ASTM D5185m	>10	2	<1	2
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	2	2	3
Lead	ppm	ASTM D5185m	>25	<1	<1	0
Copper	ppm	ASTM D5185m	>50	31	23	▲ 91
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

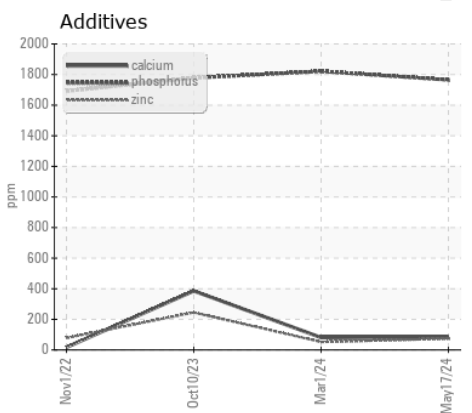
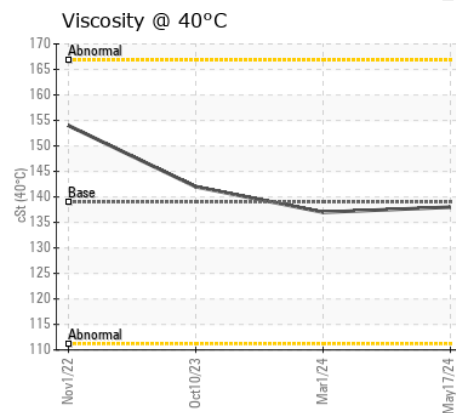
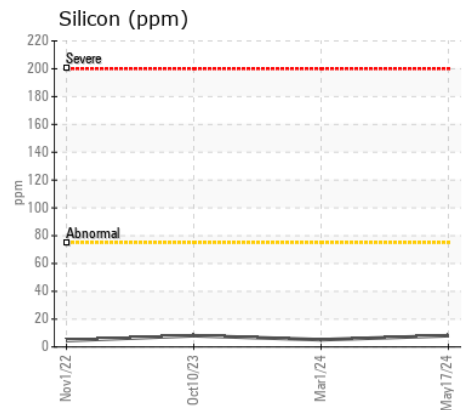
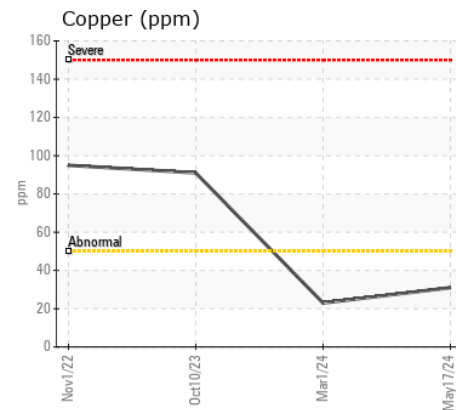
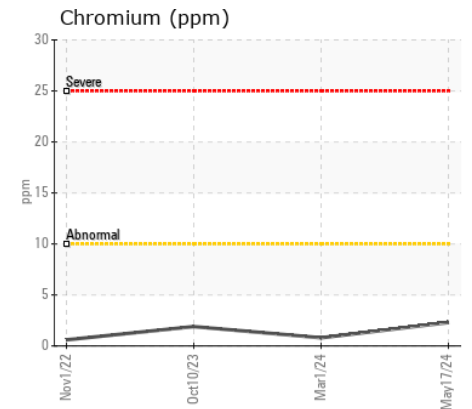
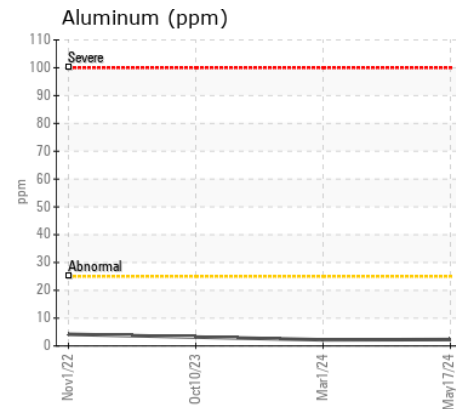
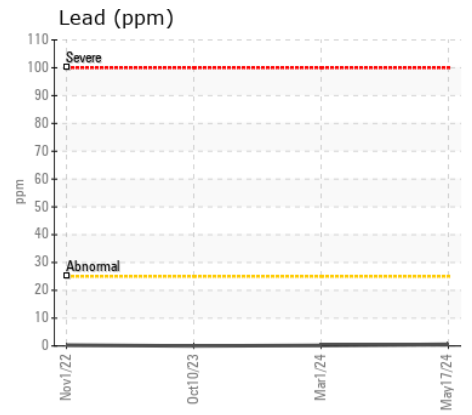
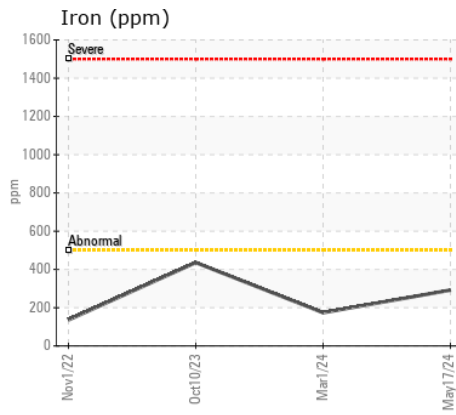
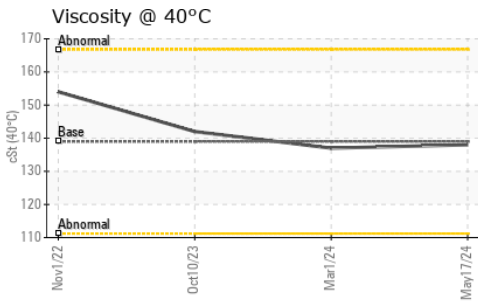
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	8	5	8
Potassium	ppm	ASTM D5185m	>20	2	<1	0
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		<1	2	4
Boron	ppm	ASTM D5185m	379	200	161	107
Barium	ppm	ASTM D5185m	0.0	2	<1	17
Molybdenum	ppm	ASTM D5185m	0.8	<1	0	0
Manganese	ppm	ASTM D5185m	0.0	5	2	10
Magnesium	ppm	ASTM D5185m	31	4	2	6
Calcium	ppm	ASTM D5185m	38	87	81	386
Phosphorus	ppm	ASTM D5185m	1077	1765	1821	1778
Zinc	ppm	ASTM D5185m	46	74	52	245
Sulfur	ppm	ASTM D5185m	23526	26037	25397	15318
Visc @ 40°C	cSt	ASTM D445	139	138	137	142



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP453606
Lab Number : 06189562
Unique Number : 11046314
Test Package : MOB 1

Received : 23 May 2024
Tested : 24 May 2024
Diagnosed : 24 May 2024 - Wes Davis

ALTA EQUIPMENT COMPANY
 1035 WYLIE DRIVE
 BLOOMINGTON, IL
 US 61705
 Contact: MIKE MARTIN
 mike.martin@altaequipment.com

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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