



# VOLVO

## OIL ANALYSIS REPORT

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

Area

[686747 DIPRO]

Machine Id

SENNEBOGAN 835 830.0.2853

Component

Drop Box

Fluid

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

### RECOMMENDATION

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP453925	VCP412468	VCP426791
Sample Date		Client Info		13 Mar 2024	05 Sep 2023	29 Mar 2023
Machine Age	hrs	Client Info		5050	4123	3387
Oil Age	hrs	Client Info		1000	1000	1000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				ABNORMAL	ABNORMAL	SEVERE

### WEAR

High concentration of visible yellow metal present. All component wear rates are normal.

Iron	ppm	ASTM D5185m	>400	55	19	29
Chromium	ppm	ASTM D5185m	>4	<1	0	0
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	9	0
Aluminum	ppm	ASTM D5185m	>15	2	0	2
Lead	ppm	ASTM D5185m	>20	<1	<1	<1
Copper	ppm	ASTM D5185m	>50	42	▲ 108	▲ 66
Tin	ppm	ASTM D5185m	>3	<1	1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	▲ HEAVY	NONE	NONE

### CONTAMINATION

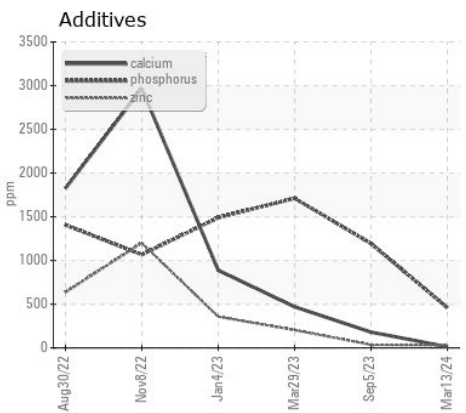
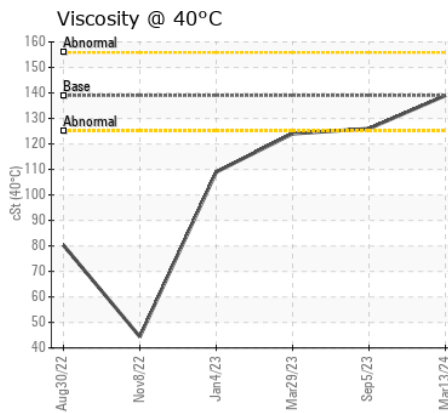
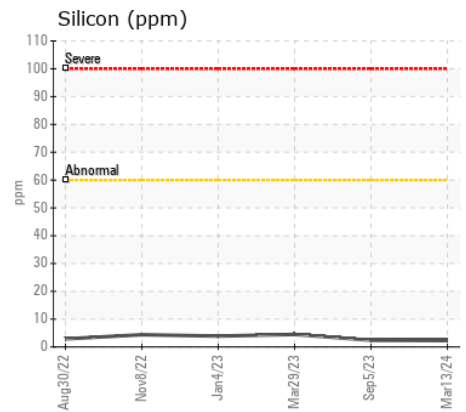
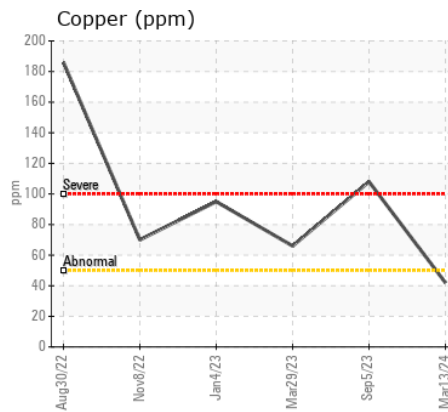
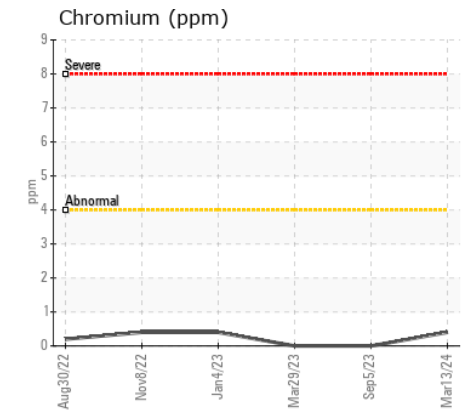
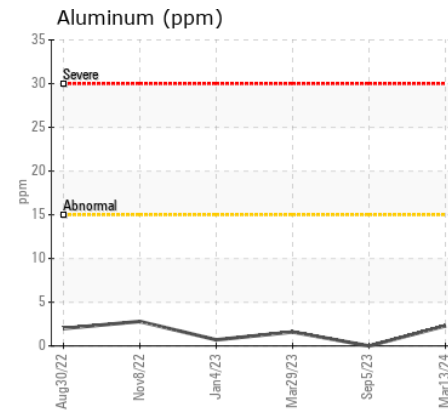
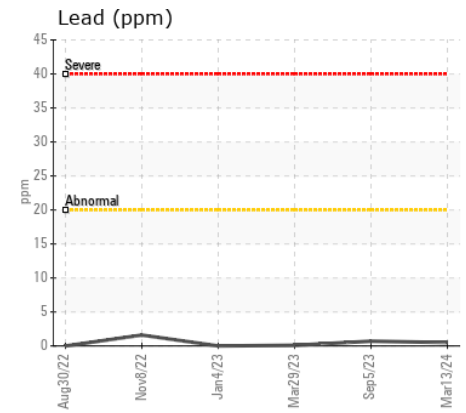
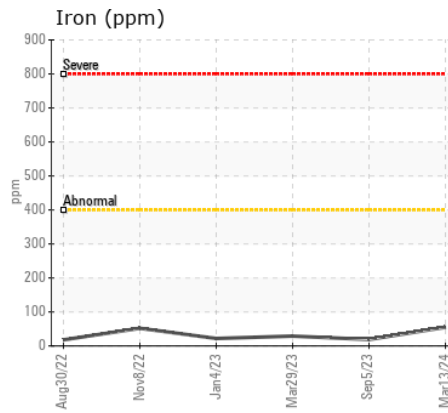
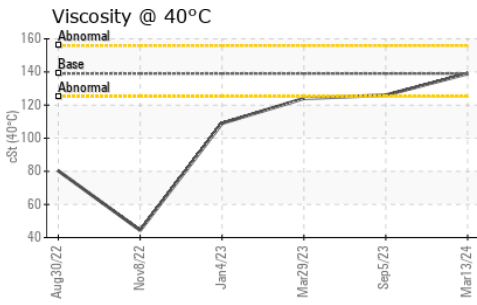
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>60	2	2	4
Potassium	ppm	ASTM D5185m	>20	<1	2	<1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	▲ HEAVY	MODER
Debris	scalar	*Visual	NONE	NONE	▲ MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	● MILKY
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	0.2%	▲ 0.2%

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		1	4	6
Boron	ppm	ASTM D5185m	379	9	21	150
Barium	ppm	ASTM D5185m	0.0	<1	0	0
Molybdenum	ppm	ASTM D5185m	0.8	<1	<1	0
Manganese	ppm	ASTM D5185m	0.0	3	14	16
Magnesium	ppm	ASTM D5185m	31	1	4	3
Calcium	ppm	ASTM D5185m	38	13	181	470
Phosphorus	ppm	ASTM D5185m	1077	460	1194	1712
Zinc	ppm	ASTM D5185m	46	32	37	204
Sulfur	ppm	ASTM D5185m	23526	18613	20526	21228
Visc @ 40°C	cSt	ASTM D445	139	139	126	124



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP453925  
**Lab Number** : 06124048  
**Unique Number** : 10938199  
**Test Package** : MOB 1

**ALTA EQUIPMENT COMPANY - METRO WEST**  
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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)