



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area
[730409 RENTALS]
 Machine Id
VOLVO A25G 752678
 Component
Front Axle
 Fluid
VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP439520	VCP440250	---
Sample Date		Client Info		08 Jul 2024	06 Oct 2023	---
Machine Age	hrs	Client Info		2073	803	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Not Changed	Not Changed	---
Sample Status				ATTENTION	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	415	319	---
Chromium	ppm	ASTM D5185m	>20	6	7	---
Nickel	ppm	ASTM D5185m	>10	5	4	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>30	<1	0	---
Lead	ppm	ASTM D5185m	>50	0	0	---
Copper	ppm	ASTM D5185m	>150	54	45	---
Tin	ppm	ASTM D5185m	>20	2	2	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

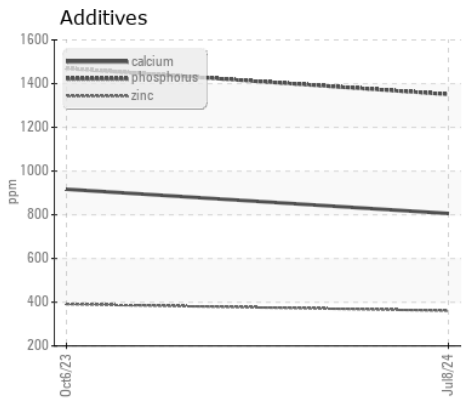
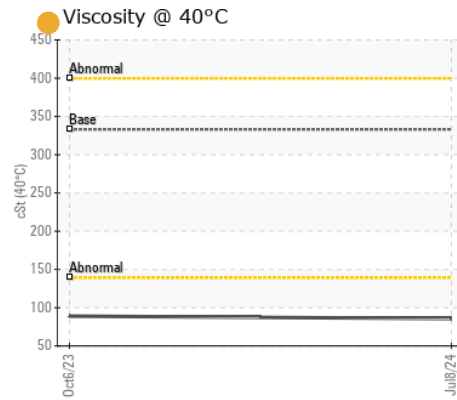
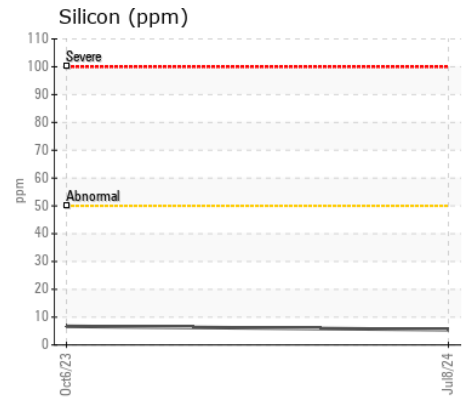
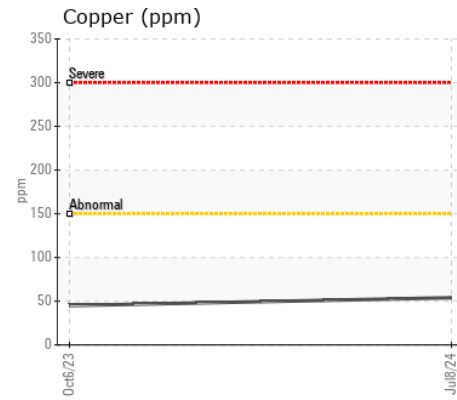
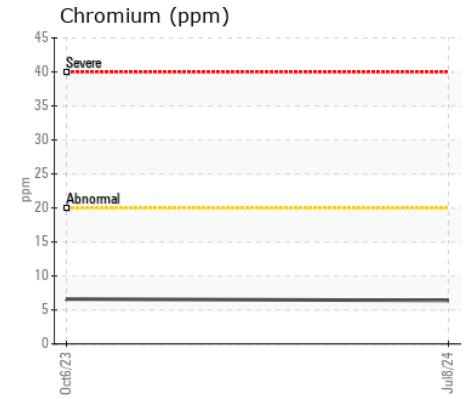
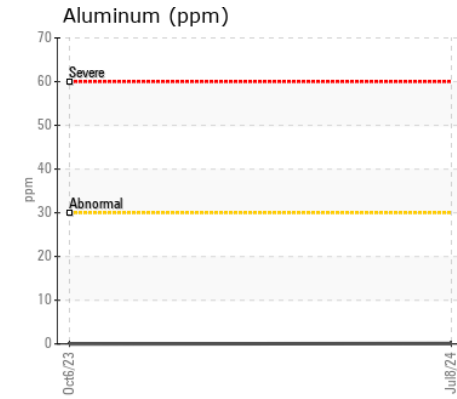
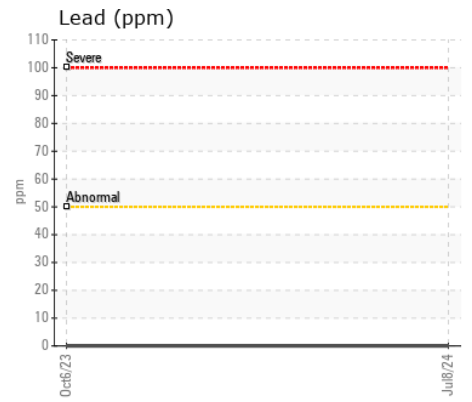
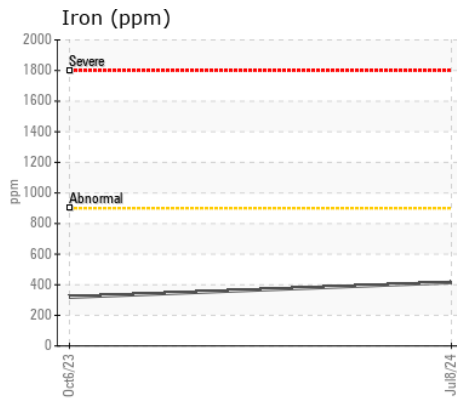
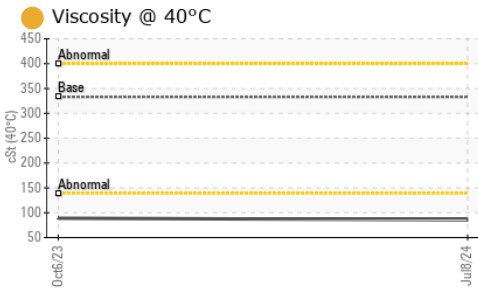
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	6	7	---
Potassium	ppm	ASTM D5185m	>20	4	7	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	LIGHT	LIGHT	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

The oil viscosity is lower than normal. Confirm oil type.

Sodium	ppm	ASTM D5185m		2	0	---
Boron	ppm	ASTM D5185m	111	197	255	---
Barium	ppm	ASTM D5185m	0.0	4	6	---
Molybdenum	ppm	ASTM D5185m	0.9	4	4	---
Manganese	ppm	ASTM D5185m	0.0	10	11	---
Magnesium	ppm	ASTM D5185m	39	6	4	---
Calcium	ppm	ASTM D5185m	93	806	917	---
Phosphorus	ppm	ASTM D5185m	920	1351	1470	---
Zinc	ppm	ASTM D5185m	104	361	391	---
Sulfur	ppm	ASTM D5185m	20179	22753	21400	---
Visc @ 40°C	cSt	ASTM D445	333	85.7	89.0	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : VCP439520

Lab Number : 06239467

Unique Number : 11128301

Test Package : MOB 1

Received : 17 Jul 2024

Tested : 18 Jul 2024

Diagnosed : 19 Jul 2024 - Don Baldrige

ALTA EQUIPMENT COMPANY

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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)