



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



Machine Id  
**VOLVO A45G 342672**  
Component  
**Front Axle**  
Fluid  
**{not provided} (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ML0002707</b>	VCP290831	---
Sample Date		Client Info		<b>24 Jun 2024</b>	10 Nov 2022	---
Machine Age	hrs	Client Info		<b>9762</b>	4380	---
Oil Age	hrs	Client Info		<b>5382</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>None</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	<b>131</b>	153	---
Chromium	ppm	ASTM D5185m	>20	<b>2</b>	2	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>30	<b>2</b>	<1	---
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>150	<b>2</b>	<1	---
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

There is no indication of any contamination in the oil.

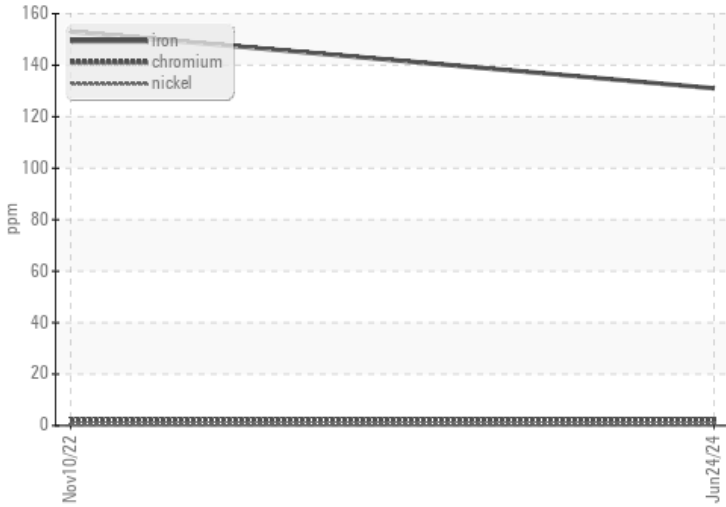
Silicon	ppm	ASTM D5185m	>50	<b>4</b>	4	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---

**FLUID CONDITION**

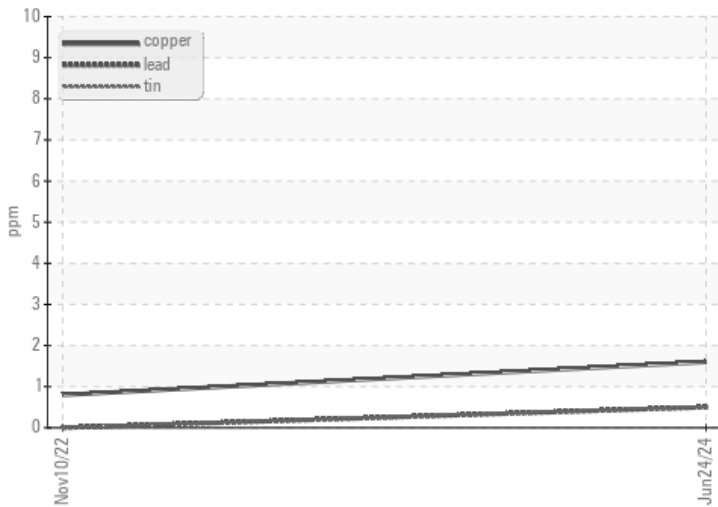
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>0</b>	<1	---
Boron	ppm	ASTM D5185m		<b>214</b>	170	---
Barium	ppm	ASTM D5185m		<b>1</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>2</b>	2	---
Manganese	ppm	ASTM D5185m		<b>3</b>	4	---
Magnesium	ppm	ASTM D5185m		<b>2</b>	<1	---
Calcium	ppm	ASTM D5185m		<b>57</b>	30	---
Phosphorus	ppm	ASTM D5185m		<b>1095</b>	941	---
Zinc	ppm	ASTM D5185m		<b>29</b>	17	---
Sulfur	ppm	ASTM D5185m		<b>31200</b>	25056	---

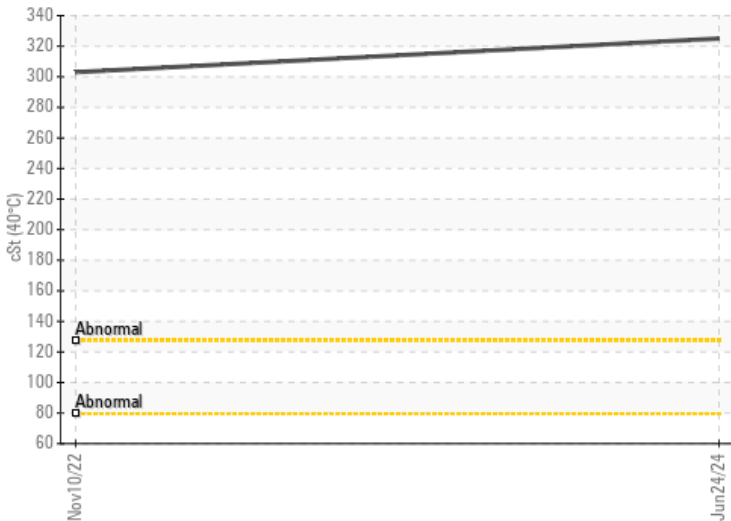
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ML0002707  
**Lab Number** : 06221874  
**Unique Number** : 11100071  
**Test Package** : CONST

**Received** : 26 Jun 2024  
**Tested** : 29 Jun 2024  
**Diagnosed** : 29 Jun 2024 - Don Baldrige

**MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND**  
 1345 MOUNTAIN ROAD  
 GLEN ALLEN, VA  
 US 23060  
 Contact: KYLE RATLIFFE  
 KRATLIFFE@MCCLUNG-LOGAN.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)

T: F: (804)266-1611