



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



Machine Id  
**VOLVO A25G 752470**  
Component  
**Rear Axle**  
Fluid  
**GEAR OIL SAE 75W90 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ML0000817</b>	VCP367908	---
Sample Date		Client Info		<b>15 Mar 2024</b>	22 Dec 2022	---
Machine Age	hrs	Client Info		<b>2068</b>	661	---
Oil Age	hrs	Client Info		<b>1407</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changed</b>	Changed	---
Filter Changed		Client Info		<b>None</b>	Not Changed	---
Sample Status				<b>ATTENTION</b>	NORMAL	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	<b>90</b>	140	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	4	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>30	<b>0</b>	0	---
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>150	<b>21</b>	28	---
Tin	ppm	ASTM D5185m	>20	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	---

**CONTAMINATION**

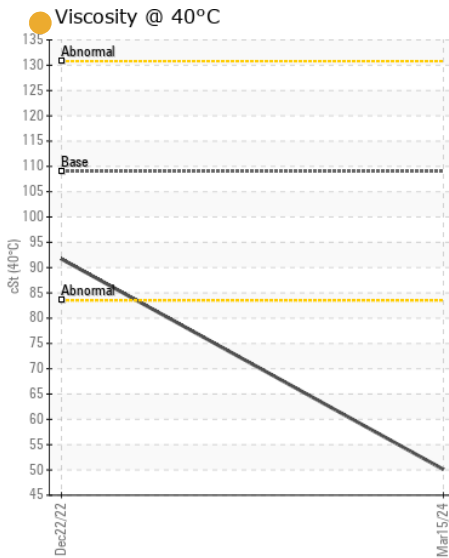
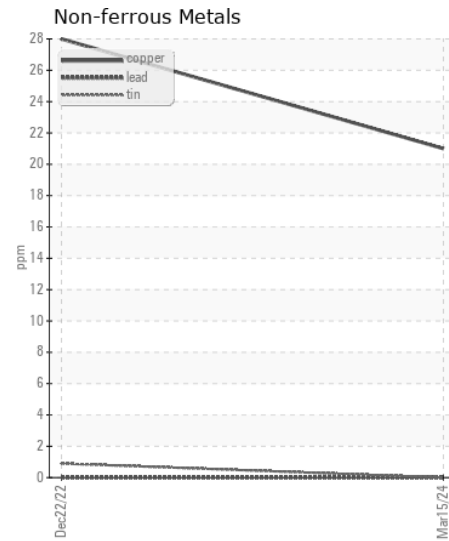
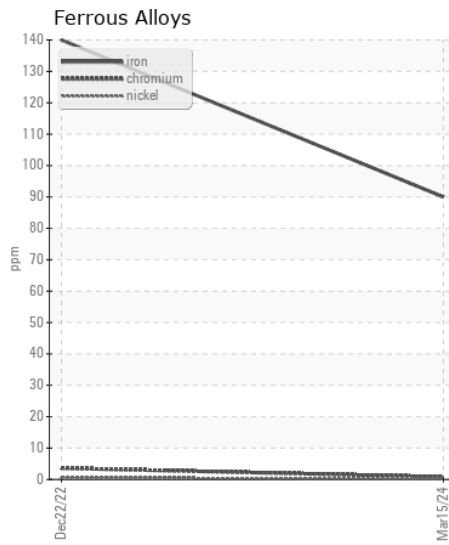
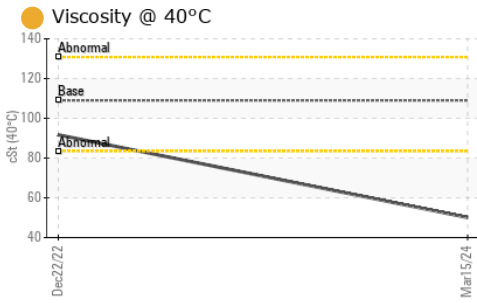
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>1</b>	4	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	5	---
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 oil viscosity is lower than normal. Confirm oil type.

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Boron	ppm	ASTM D5185m	400	<b>268</b>	250	---
Barium	ppm	ASTM D5185m	200	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	12	<b>&lt;1</b>	6	---
Manganese	ppm	ASTM D5185m		<b>2</b>	10	---
Magnesium	ppm	ASTM D5185m	12	<b>0</b>	1	---
Calcium	ppm	ASTM D5185m	150	<b>61</b>	758	---
Phosphorus	ppm	ASTM D5185m	1650	<b>2436</b>	1307	---
Zinc	ppm	ASTM D5185m	125	<b>19</b>	324	---
Sulfur	ppm	ASTM D5185m	22500	<b>31204</b>	24412	---
Visc @ 40°C	cSt	ASTM D445	109	<b>50.1</b>	91.7	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ML0000817  
**Lab Number** : 06124416  
**Unique Number** : 10938567  
**Test Package** : CONST

**Received** : 20 Mar 2024  
**Tested** : 21 Mar 2024  
**Diagnosed** : 23 Mar 2024 - Don Baldrige

**MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND**  
 1345 MOUNTAIN ROAD  
 GLEN ALLEN, VA  
 US 23060  
 Contact: KYLE RATLIFFE  
 KRATLIFFE@MCCLUNG-LOGAN.COM  
 T:  
 F: (804)266-1611

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)