



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



Machine Id  
**VOLVO A45G 342044**  
Component  
**Bogie/Center Axle**  
Fluid  
**VOLVO SUPER GEAR OIL 75W-80-GO102 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ML0002783</b>	ML0000811	VCP401320
Sample Date		Client Info		<b>12 Jun 2024</b>	29 Mar 2024	02 Feb 2023
Machine Age	hrs	Client Info		<b>10397</b>	10397	8248
Oil Age	hrs	Client Info		<b>8248</b>	2149	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Oil Added	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	<b>151</b>	220	771
Chromium	ppm	ASTM D5185m	>20	<b>1</b>	2	9
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	1	4
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>30	<b>4</b>	6	17
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>150	<b>3</b>	4	6
Tin	ppm	ASTM D5185m	>20	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

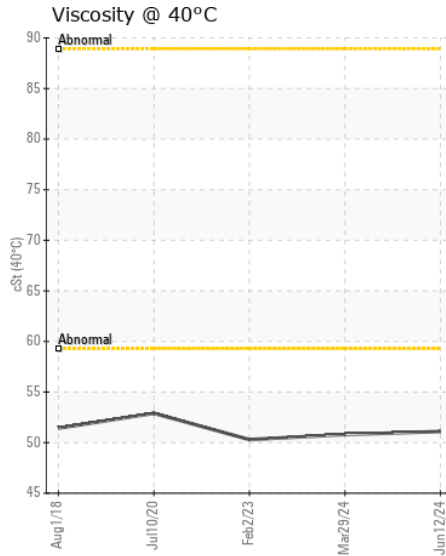
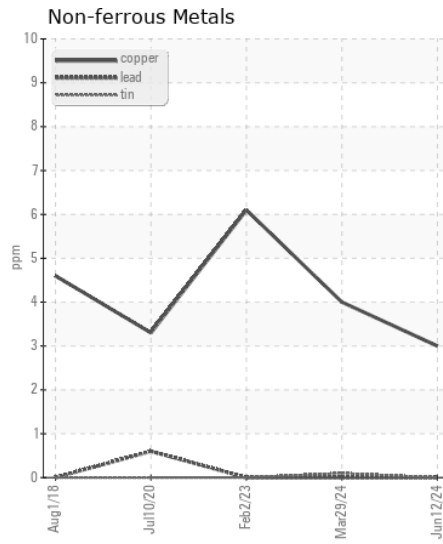
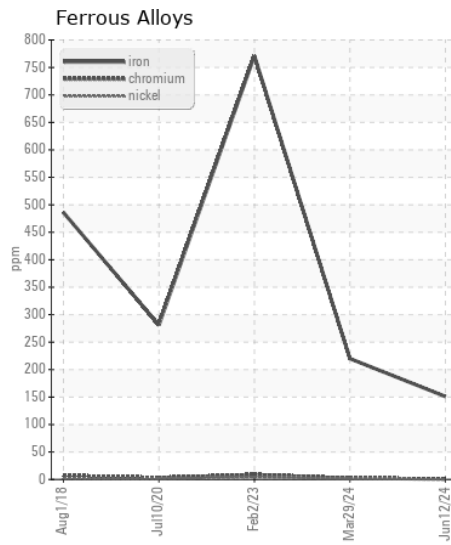
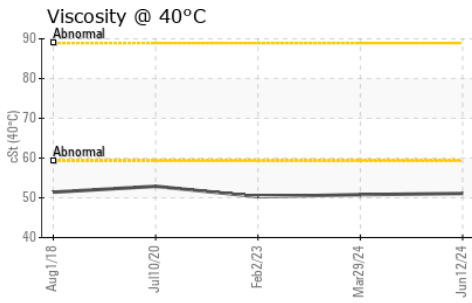
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>50	<b>16</b>	24	58
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	3	6
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>MODER</b>	MODER	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>3</b>	3	6
Boron	ppm	ASTM D5185m		<b>232</b>	321	313
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	1
Manganese	ppm	ASTM D5185m		<b>2</b>	2	9
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	4	2
Calcium	ppm	ASTM D5185m		<b>44</b>	52	47
Phosphorus	ppm	ASTM D5185m		<b>2138</b>	2398	2380
Zinc	ppm	ASTM D5185m		<b>51</b>	26	32
Sulfur	ppm	ASTM D5185m		<b>26710</b>	28845	25123
Visc @ 40°C	cSt	ASTM D445		<b>51.1</b>	50.8	50.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ML0002783  
**Lab Number** : 06210990  
**Unique Number** : 11083854  
**Test Package** : CONST

**Received** : 14 Jun 2024  
**Tested** : 18 Jun 2024  
**Diagnosed** : 18 Jun 2024 - Sean Felton

**MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND**  
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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)