



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



Area  
**[W/O 10848]**  
Machine Id  
**VOLVO L90H 623915**  
Component  
**Transmission (Auto)**  
Fluid  
**VOLVO AT 102 (5 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ML0002174</b>	VCP294170	---
Sample Date		Client Info		<b>28 May 2024</b>	14 Dec 2020	---
Machine Age	hrs	Client Info		<b>11224</b>	4845	---
Oil Age	hrs	Client Info		<b>6379</b>	0	---
Filter Age	hrs	Client Info		<b>4000</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	<b>86</b>	121	---
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	1	---
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>50	<b>11</b>	12	---
Lead	ppm	ASTM D5185m	>50	<b>0</b>	2	---
Copper	ppm	ASTM D5185m	>225	<b>11</b>	22	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	2	---
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**

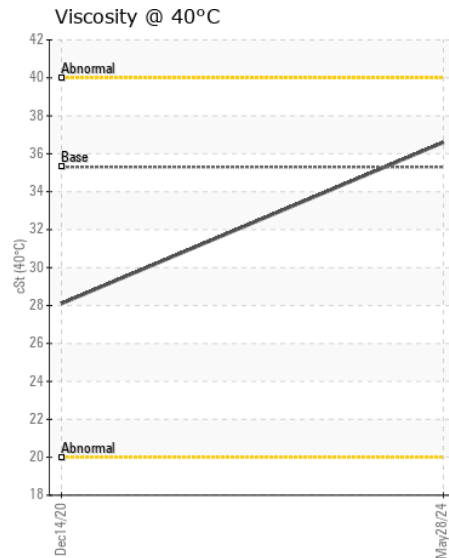
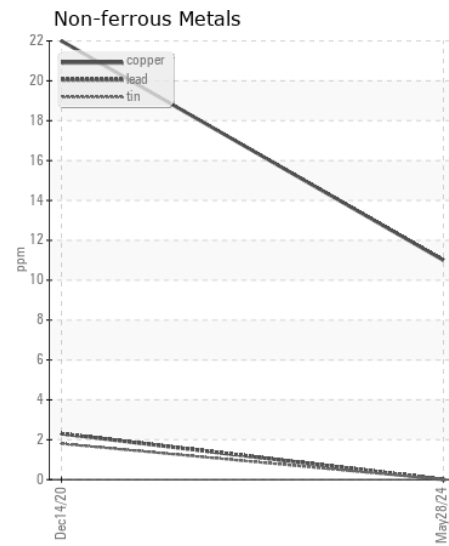
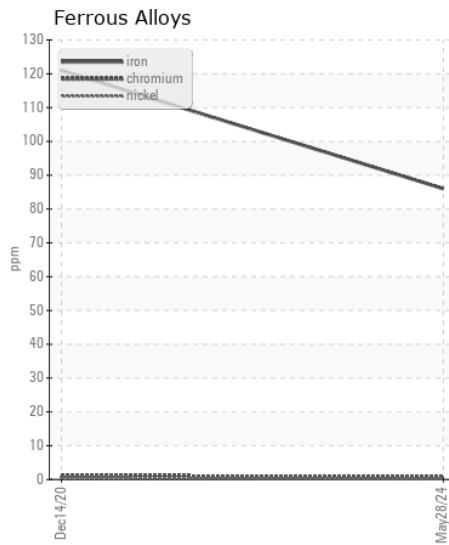
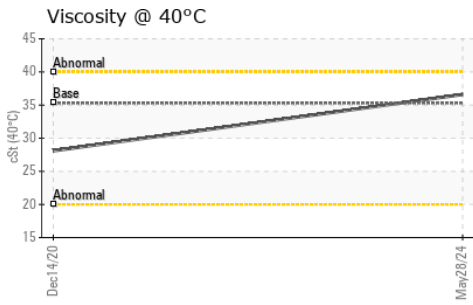
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>10</b>	7	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	6	---
Water		WC Method	>0.1	<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	>0.1	<b>NEG</b>	NEG	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>7</b>	8	---
Boron	ppm	ASTM D5185m	187	<b>70</b>	45	---
Barium	ppm	ASTM D5185m	0.0	<b>1</b>	2	---
Molybdenum	ppm	ASTM D5185m	0.0	<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m	0.0	<b>4</b>	7	---
Magnesium	ppm	ASTM D5185m	6.8	<b>&lt;1</b>	3	---
Calcium	ppm	ASTM D5185m	215	<b>99</b>	106	---
Phosphorus	ppm	ASTM D5185m	445	<b>225</b>	164	---
Zinc	ppm	ASTM D5185m	56	<b>35</b>	47	---
Sulfur	ppm	ASTM D5185m	1336	<b>2901</b>	1483	---
Visc @ 40°C	cSt	ASTM D445	35.3	<b>36.6</b>	28.1	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ML0002174  
**Lab Number** : 06197149  
**Unique Number** : 11059272  
**Test Package** : CONST

**Received** : 31 May 2024  
**Tested** : 03 Jun 2024  
**Diagnosed** : 04 Jun 2024 - Don Baldrige

**MCCLUNG-LOGAN EQUIPMENT CO - BALTIMORE**  
 4601 WASHINGTON BOULEVARD  
 BALTIMORE, MD  
 US 21227

Contact: MARK CIULLA  
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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)

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