



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



Area  
**[W/O 10854]**  
Machine Id  
**VOLVO L90H 626130**  
Component  
**Front Axle**  
Fluid  
**VOLVO WB 102 (8 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ML0001265</b>	VCP426076	---
Sample Date		Client Info		<b>20 May 2024</b>	13 Sep 2023	---
Machine Age	hrs	Client Info		<b>2004</b>	1078	---
Oil Age	hrs	Client Info		<b>926</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	Not Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>29</b>	55	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	3	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>30	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185m	>120	<b>&lt;1</b>	1	---
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

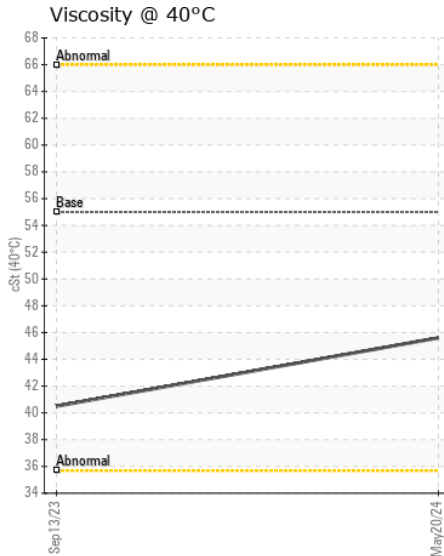
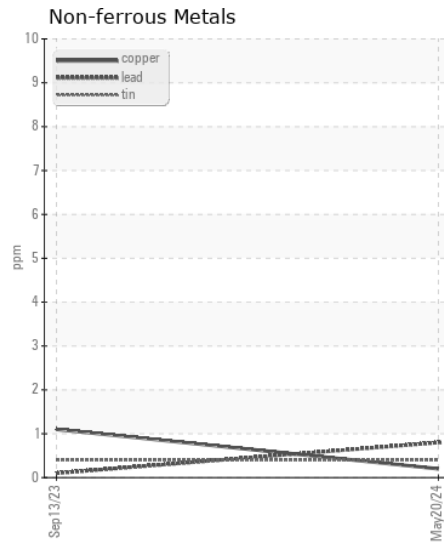
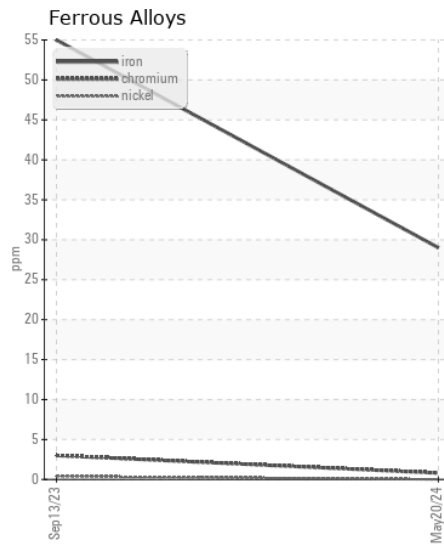
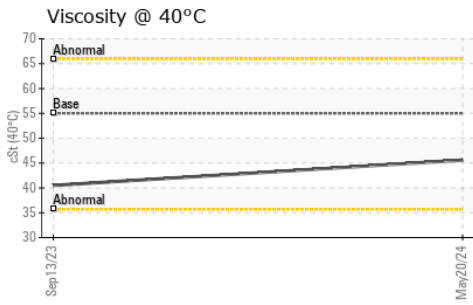
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>13</b>	17	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>LIGHT</b>	LIGHT	---
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>2</b>	12	---
Boron	ppm	ASTM D5185m		<b>30</b>	146	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>3</b>	11	---
Manganese	ppm	ASTM D5185m		<b>3</b>	9	---
Magnesium	ppm	ASTM D5185m		<b>27</b>	10	---
Calcium	ppm	ASTM D5185m		<b>3305</b>	4188	---
Phosphorus	ppm	ASTM D5185m		<b>1207</b>	1353	---
Zinc	ppm	ASTM D5185m		<b>1533</b>	1684	---
Sulfur	ppm	ASTM D5185m		<b>4803</b>	4558	---
Visc @ 40°C	cSt	ASTM D445	55	<b>45.6</b>	40.5	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ML0001265  
**Lab Number** : 06190799  
**Unique Number** : 11047551  
**Test Package** : CONST

**Received** : 24 May 2024  
**Tested** : 29 May 2024  
**Diagnosed** : 29 May 2024 - Sean Felton

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

Contact: MARK CIULLA  
 mciulla@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: (410)242-6500  
 F: (410)242-7835