



# VOLVO

## OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO L70H 05262376 (S/N 052623276)**  
Component  
**Rear Axle**  
Fluid  
**VOLVO WB 101 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP436492</b>	VCP422151	VCP383245
Sample Date		Client Info		<b>06 May 2024</b>	15 Sep 2023	06 Feb 2023
Machine Age	hrs	Client Info		<b>0</b>	5452	4750
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	N/A
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>110</b>	201	134
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>30	<b>2</b>	1	<1
Lead	ppm	ASTM D5185m	>50	<b>2</b>	0	0
Copper	ppm	ASTM D5185m	>120	<b>3</b>	6	4
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

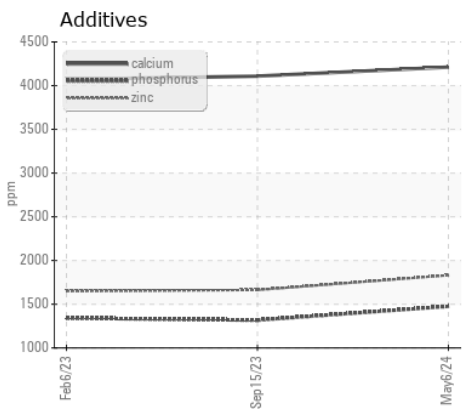
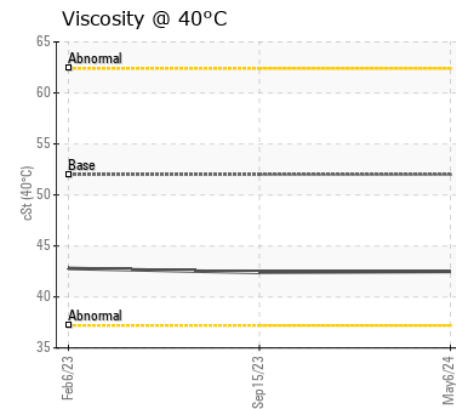
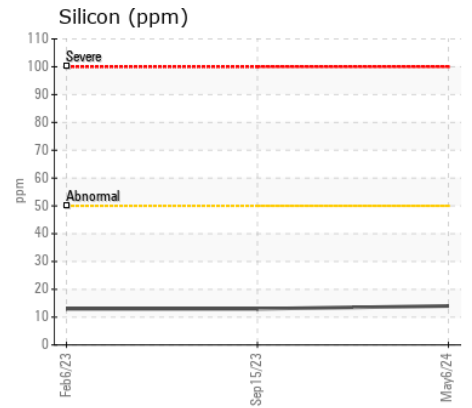
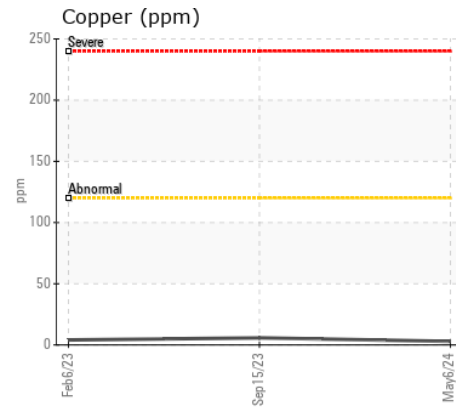
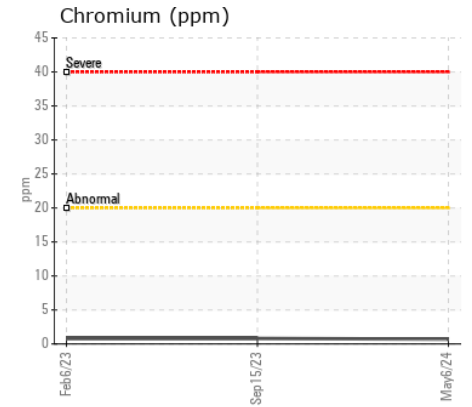
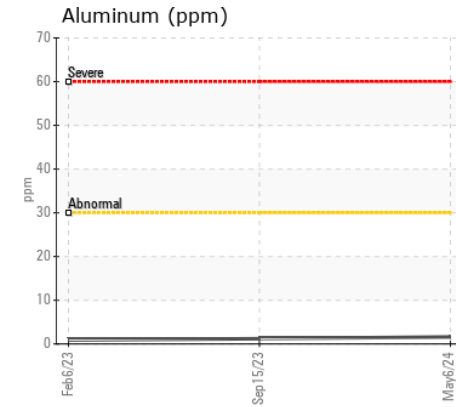
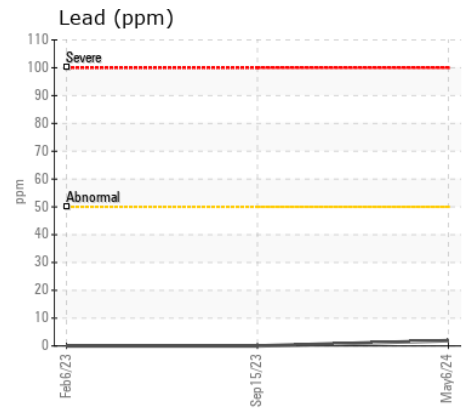
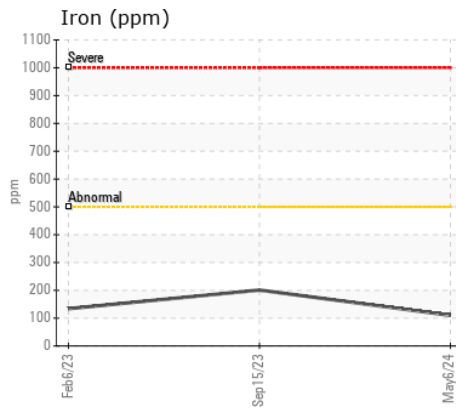
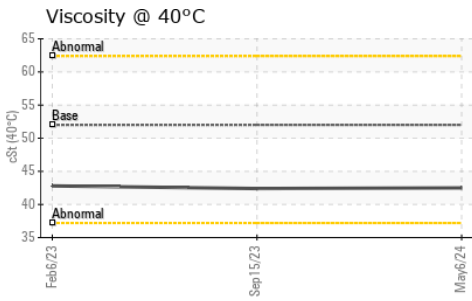
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>14</b>	13	13
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	2
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>2</b>	11	9
Boron	ppm	ASTM D5185m	100	<b>140</b>	136	147
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>40</b>	33	21
Manganese	ppm	ASTM D5185m		<b>1</b>	2	2
Magnesium	ppm	ASTM D5185m	0	<b>28</b>	22	15
Calcium	ppm	ASTM D5185m	3800	<b>4212</b>	4109	4072
Phosphorus	ppm	ASTM D5185m	1200	<b>1476</b>	1318	1342
Zinc	ppm	ASTM D5185m	1500	<b>1832</b>	1663	1651
Sulfur	ppm	ASTM D5185m	6500	<b>5387</b>	4633	3936
Visc @ 40°C	cSt	ASTM D445	52.0	<b>42.5</b>	42.4	42.8



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : VCP436492

**Lab Number** : 06174219

**Unique Number** : 11020272

**Test Package** : MOB 1

**Received** : 09 May 2024

**Tested** : 10 May 2024

**Diagnosed** : 10 May 2024 - Wes Davis

**CITY CARTING**

221 OLD GATE LN

MILFORD, CT

US 06460

Contact: TAVINS BANKS

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F:

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)