



# VOLVO

## OIL ANALYSIS REPORT

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

Area  
**[CITY OF LAKELAND]**  
Machine Id  
**VOLVO L60H 622236**  
Component  
**Transmission (Auto)**  
Fluid  
**VOLVO AT 102 (--- GAL)**



### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP440172</b>	VCP385834	VCP351118
Sample Date		Client Info		<b>14 Jun 2024</b>	27 Sep 2022	23 Feb 2022
Machine Age	hrs	Client Info		<b>3495</b>	2311	1900
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>Not Changd</b>	Not Changd	N/A
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	<b>103</b>	59	▲ 234
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	<1	1
Aluminum	ppm	ASTM D5185m	>50	<b>&lt;1</b>	1	<1
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>225	<b>6</b>	3	8
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

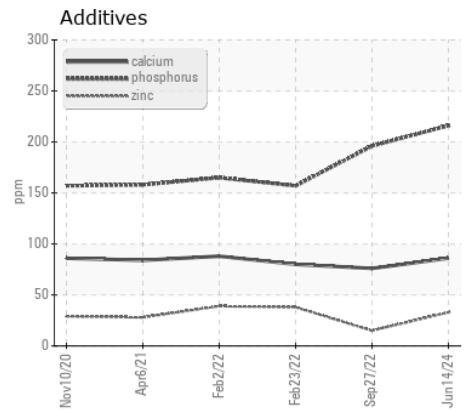
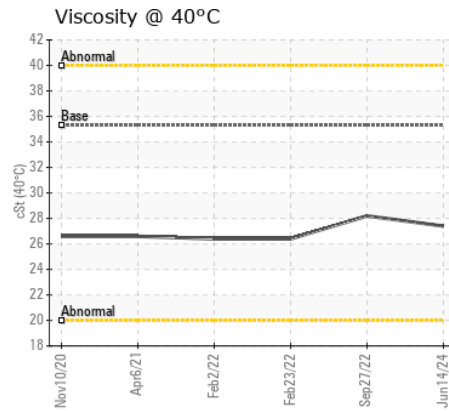
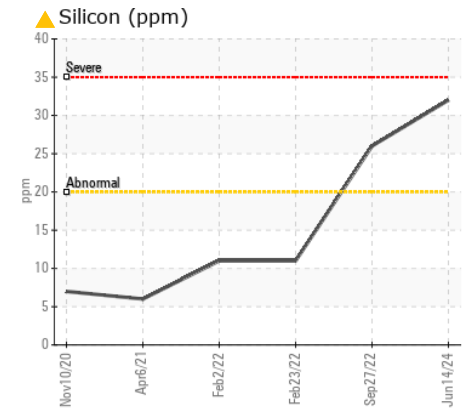
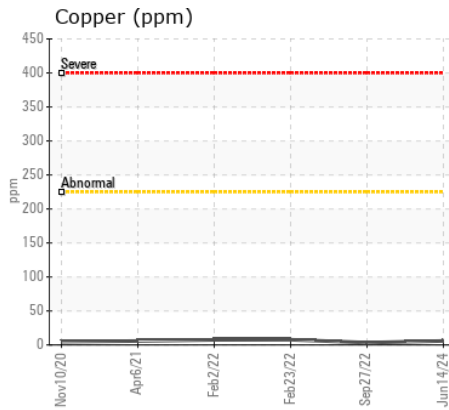
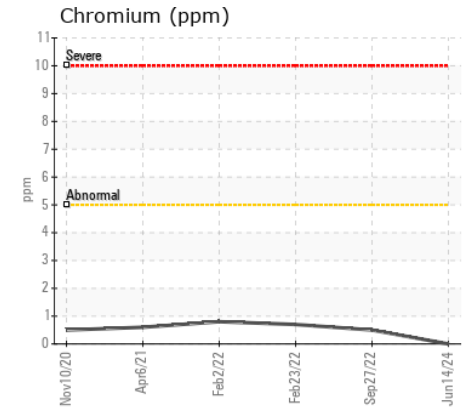
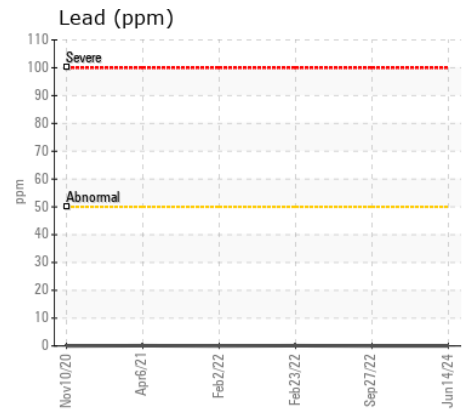
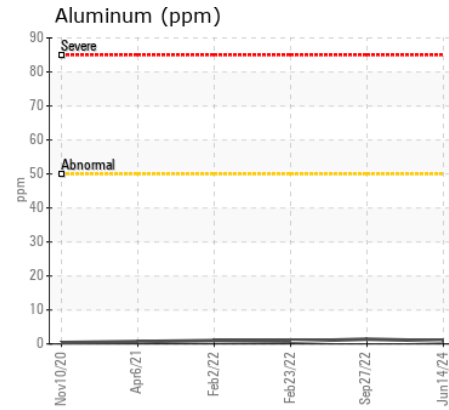
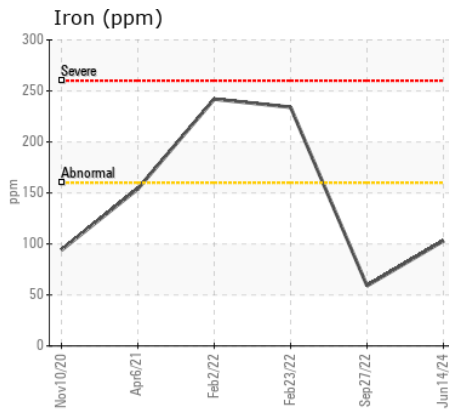
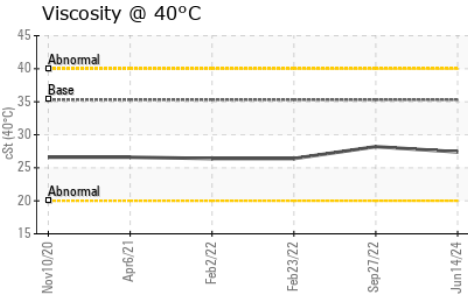
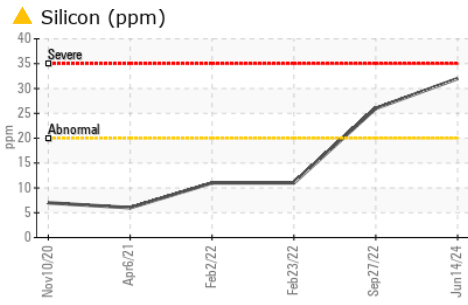
Elemental level of silicon (Si) above normal.

Silicon	ppm	ASTM D5185m	>20	▲ <b>32</b>	▲ 26	11
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	0	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	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	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>6</b>	4	3
Boron	ppm	ASTM D5185m	187	<b>68</b>	79	49
Barium	ppm	ASTM D5185m	0.0	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m	0.0	<b>0</b>	2	<1
Manganese	ppm	ASTM D5185m	0.0	<b>3</b>	3	11
Magnesium	ppm	ASTM D5185m	6.8	<b>&lt;1</b>	0	2
Calcium	ppm	ASTM D5185m	215	<b>86</b>	76	80
Phosphorus	ppm	ASTM D5185m	445	<b>216</b>	196	157
Zinc	ppm	ASTM D5185m	56	<b>33</b>	15	38
Sulfur	ppm	ASTM D5185m	1336	<b>2142</b>	1964	1266
Visc @ 40°C	cSt	ASTM D445	35.3	<b>27.4</b>	28.2	26.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP440172  
**Lab Number** : 06217229  
**Unique Number** : 11090093  
**Test Package** : MOB 1

**Received** : 21 Jun 2024  
**Tested** : 24 Jun 2024  
**Diagnosed** : 24 Jun 2024 - Don Baldrige

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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)