



# VOLVO

## OIL ANALYSIS REPORT

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



Area  
**REGION OF WATERLOO [388565]**  
Machine Id  
**VOLVO L120H 633154**  
Component  
**Transmission (Auto)**  
Fluid  
**VOLVO AT 102 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP394302</b>	VCP391894	VCP391688
Sample Date		Client Info		<b>11 Jan 2024</b>	31 Oct 2023	30 Aug 2023
Machine Age	hrs	Client Info		<b>4039</b>	3500	3000
Oil Age	hrs	Client Info		<b>4000</b>	3500	3000
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>160	<b>27</b>	25	22
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>50	<b>3</b>	2	2
Lead	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185(m)	>225	<b>4</b>	4	3
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

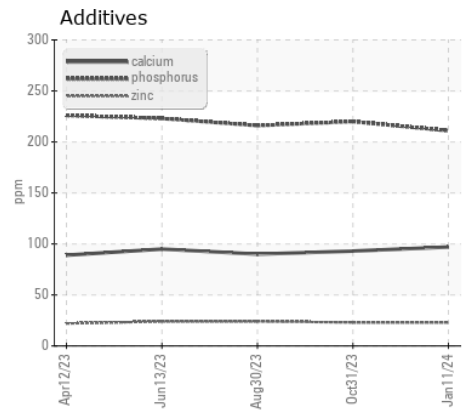
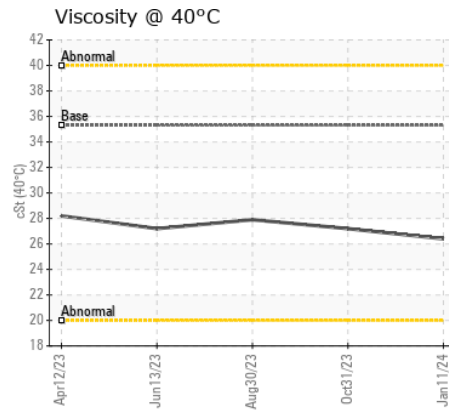
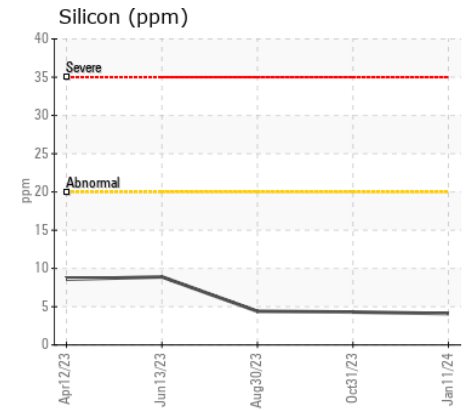
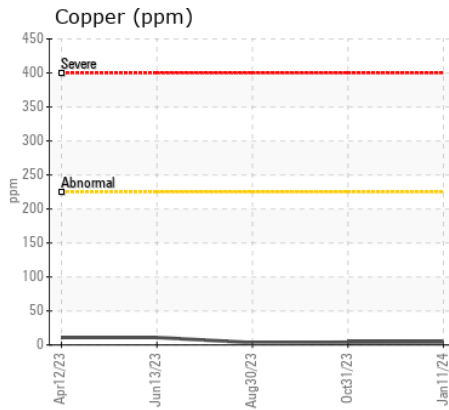
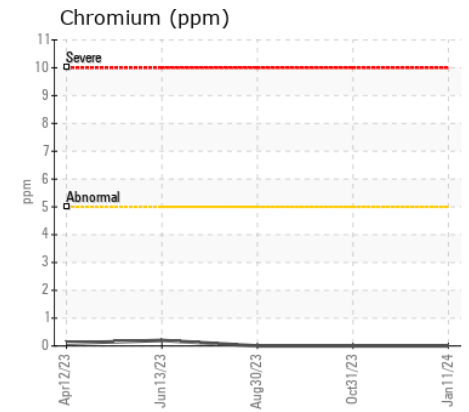
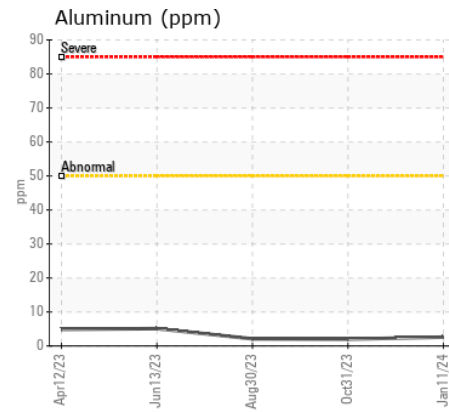
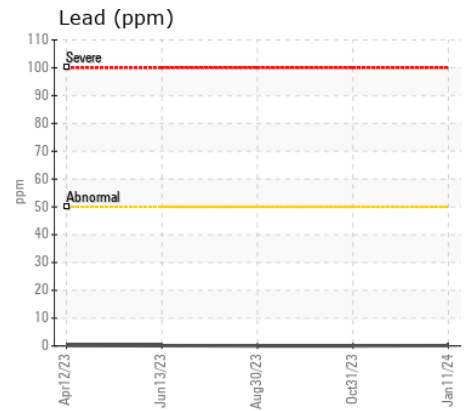
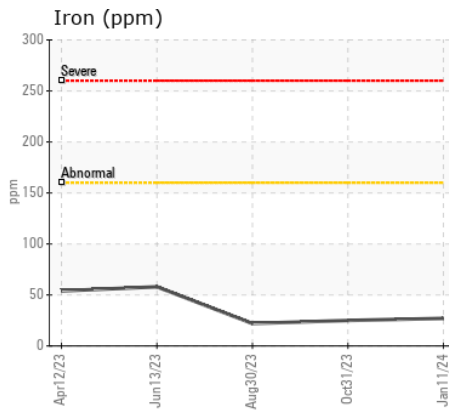
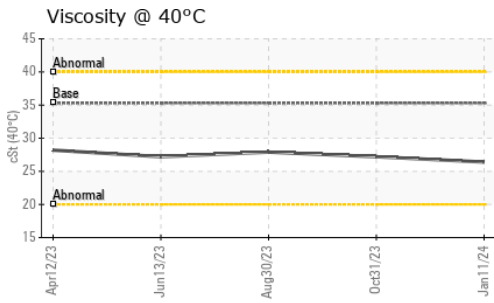
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	<b>4</b>	4	4
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	<1	1
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 D5185(m)		<b>1</b>	2	2
Boron	ppm	ASTM D5185(m)	187	<b>82</b>	82	82
Barium	ppm	ASTM D5185(m)	0.0	<b>&lt;1</b>	1	2
Molybdenum	ppm	ASTM D5185(m)	0.0	<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185(m)	0.0	<b>&lt;1</b>	<1	1
Magnesium	ppm	ASTM D5185(m)	6.8	<b>8</b>	7	8
Calcium	ppm	ASTM D5185(m)	215	<b>97</b>	93	90
Phosphorus	ppm	ASTM D5185(m)	445	<b>211</b>	220	216
Zinc	ppm	ASTM D5185(m)	56	<b>23</b>	23	24
Sulfur	ppm	ASTM D5185(m)	1336	<b>1500</b>	1378	1340
Visc @ 40°C	cSt	ASTM D7279(m)	35.3	<b>26.4</b>	27.2	27.9



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : VCP394302 **Received** : 23 Jan 2024  
**Lab Number** : 02610636 **Diagnosed** : 23 Jan 2024  
**Unique Number** : 5711722 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

**Strongco Equipment**  
 5179 Fountain St N.  
 Breslau, ON  
 CA N0B 1M0  
 Contact: Eric Mailloux  
 emailoux@strongco.com  
 T: (519)744-3518  
 F: (519)744-3284

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.