



# VOLVO

## OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO L120H 632959**

Component  
**Transmission (Auto)**

Fluid  
**VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP434485</b>	VCP383202	VCP383886
Sample Date		Client Info		<b>14 Jun 2024</b>	25 May 2023	19 Oct 2022
Machine Age	hrs	Client Info		<b>4230</b>	2670	1660
Oil Age	hrs	Client Info		<b>1000</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	N/A	Not Changed
Filter Changed		Client Info		<b>Changed</b>	N/A	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	<b>99</b>	77	101
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>50	<b>6</b>	5	1
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>225	<b>13</b>	9	6
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

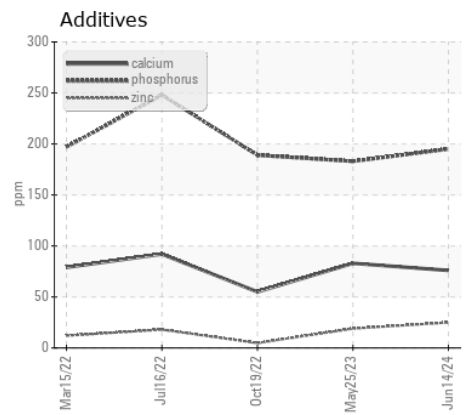
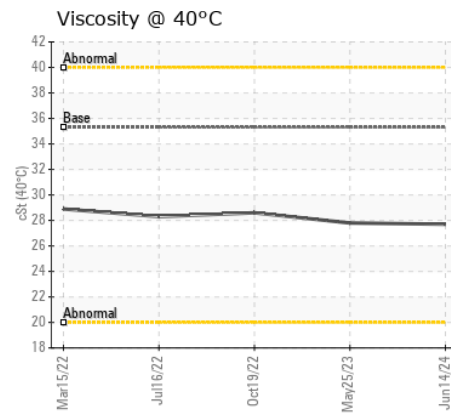
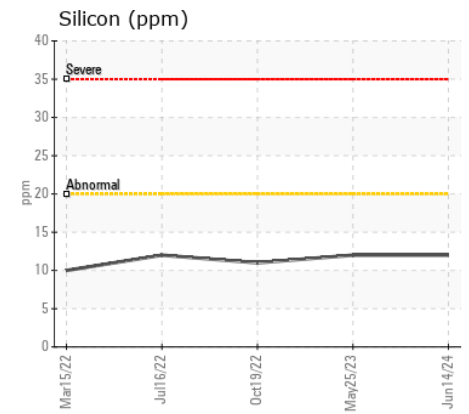
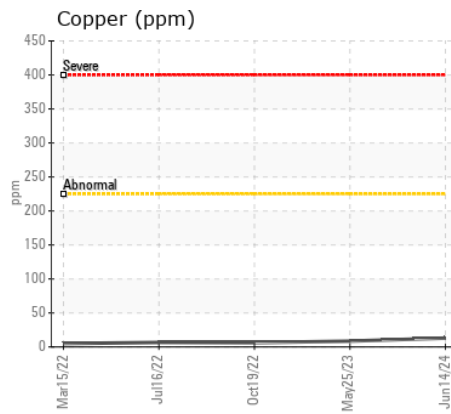
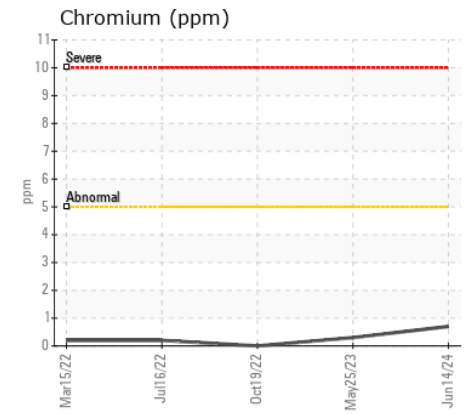
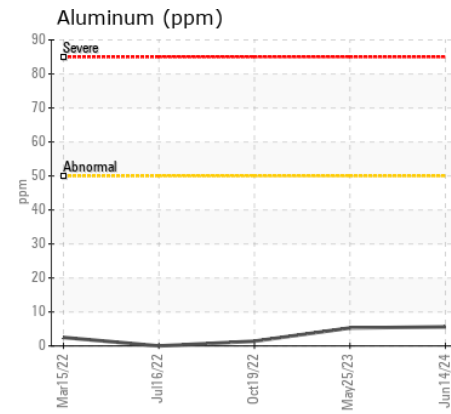
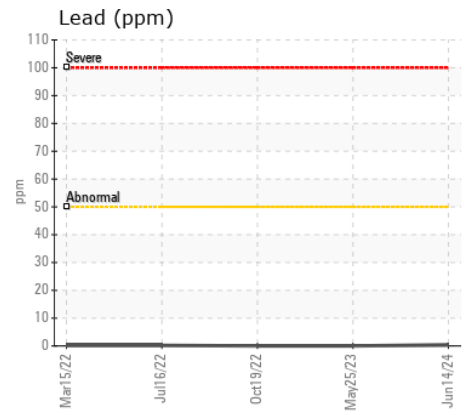
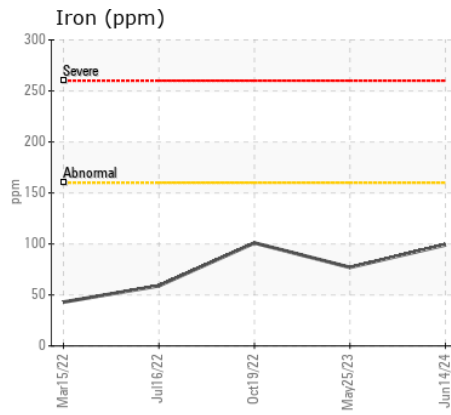
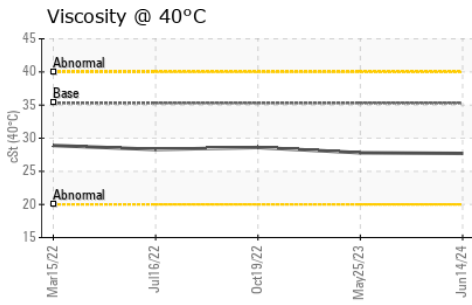
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>12</b>	12	11
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	0
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>4</b>	2	4
Boron	ppm	ASTM D5185m	187	<b>74</b>	75	80
Barium	ppm	ASTM D5185m	0.0	<b>5</b>	0	0
Molybdenum	ppm	ASTM D5185m	0.0	<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m	0.0	<b>6</b>	5	6
Magnesium	ppm	ASTM D5185m	6.8	<b>3</b>	3	0
Calcium	ppm	ASTM D5185m	215	<b>76</b>	83	55
Phosphorus	ppm	ASTM D5185m	445	<b>195</b>	183	189
Zinc	ppm	ASTM D5185m	56	<b>25</b>	19	5
Sulfur	ppm	ASTM D5185m	1336	<b>1701</b>	1877	1929
Visc @ 40°C	cSt	ASTM D445	35.3	<b>27.7</b>	27.8	28.6



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP434485  
**Lab Number** : 06215193  
**Unique Number** : 11088057  
**Test Package** : MOB 1  
**Received** : 19 Jun 2024  
**Tested** : 20 Jun 2024  
**Diagnosed** : 20 Jun 2024 - Wes Davis

**LEONARDS CONTRACTING**  
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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)