



# VOLVO

## OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO L120H 632105**  
Component  
**Transmission (Auto)**  
Fluid  
**VOLVO AT 102 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

### WEAR

All component wear rates are normal.

### CONTAMINATION

There is no indication of any contamination in the oil.

### FLUID CONDITION

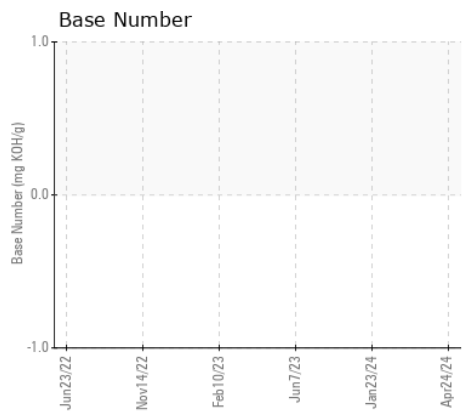
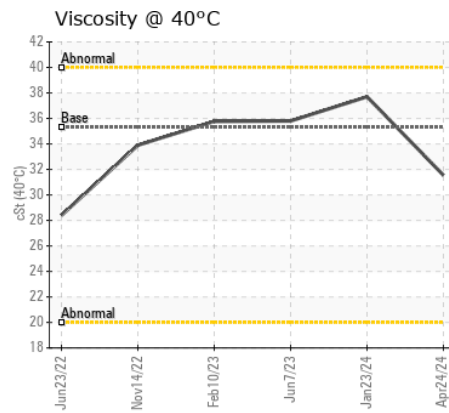
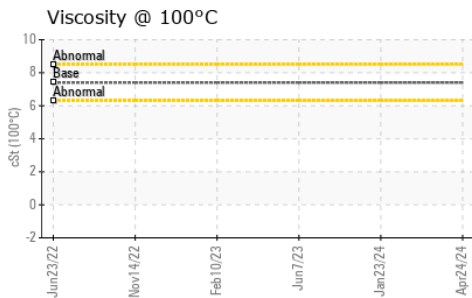
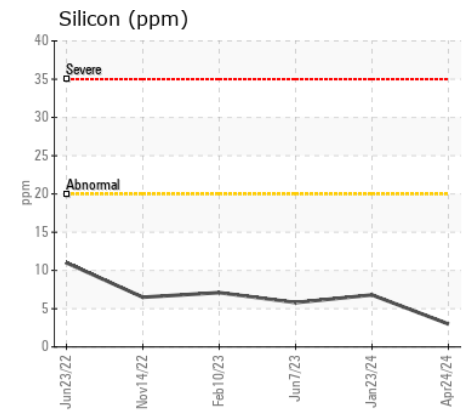
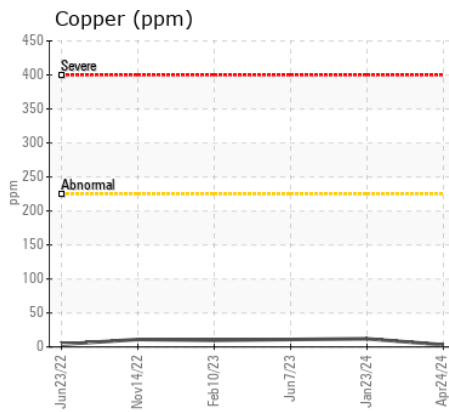
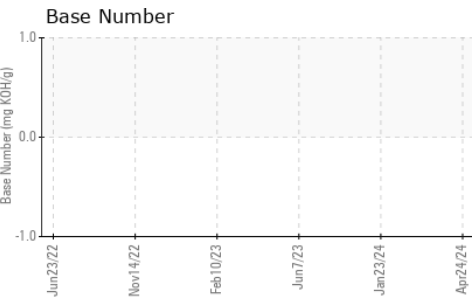
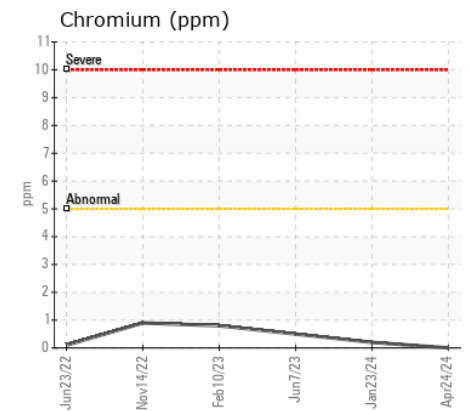
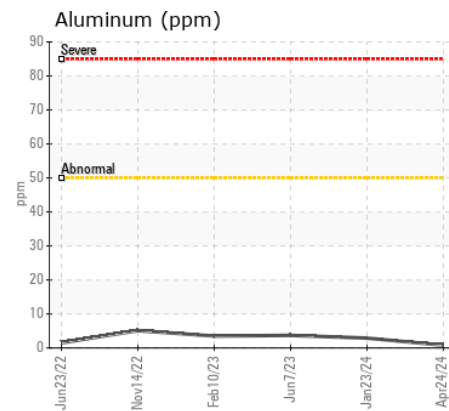
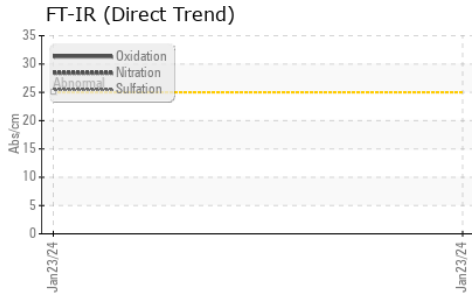
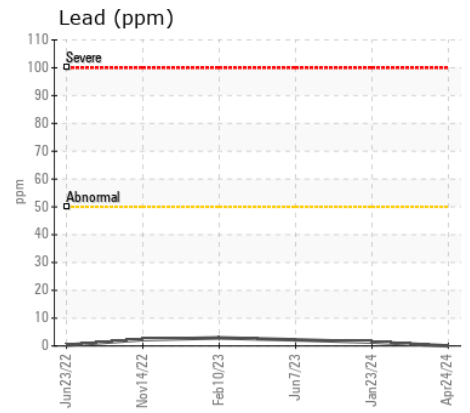
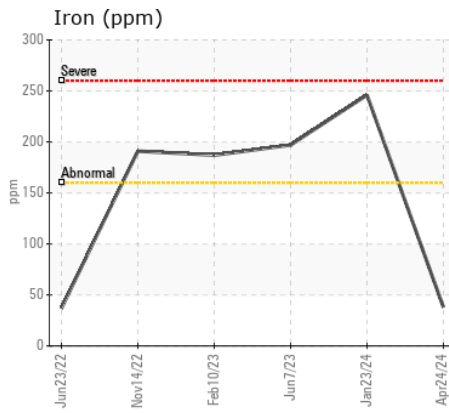
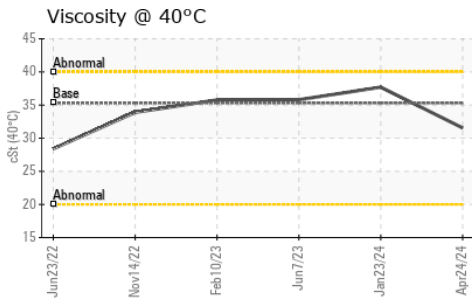
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP437856</b>	VCP429446	VCP424512
Sample Date		Client Info		<b>24 Apr 2024</b>	23 Jan 2024	07 Jun 2023
Machine Age	hrs	Client Info		<b>19559</b>	18925	18030
Oil Age	hrs	Client Info		<b>0</b>	0	8000
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	N/A	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Changed	Not Changd
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL

Iron	ppm	ASTM D5185m	>160	<b>38</b>	▲ 246	▲ 197
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	5	5
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>50	<b>&lt;1</b>	3	4
Lead	ppm	ASTM D5185m	>50	<b>0</b>	1	2
Copper	ppm	ASTM D5185m	>225	<b>3</b>	12	11
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<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

Silicon	ppm	ASTM D5185m	>20	<b>3</b>	7	6
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	4	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844		<b>---</b>	0.2	---
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

Sodium	ppm	ASTM D5185m		<b>3</b>	3	1
Boron	ppm	ASTM D5185m	187	<b>94</b>	57	53
Barium	ppm	ASTM D5185m	0.0	<b>0</b>	5	0
Molybdenum	ppm	ASTM D5185m	0.0	<b>6</b>	13	9
Manganese	ppm	ASTM D5185m	0.0	<b>&lt;1</b>	4	4
Magnesium	ppm	ASTM D5185m	6.8	<b>40</b>	267	190
Calcium	ppm	ASTM D5185m	215	<b>241</b>	764	636
Phosphorus	ppm	ASTM D5185m	445	<b>263</b>	486	398
Zinc	ppm	ASTM D5185m	56	<b>106</b>	465	359
Sulfur	ppm	ASTM D5185m	1336	<b>2199</b>	2578	2687
Visc @ 40°C	cSt	ASTM D445	35.3	<b>31.55</b>	37.7	35.8
Viscosity Index (VI)	Scale	ASTM D2270	183	<b>---</b>	153	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP437856 **Received** : 22 May 2024  
**Lab Number** : 06187261 **Tested** : 31 May 2024  
**Unique Number** : 11044013 **Diagnosed** : 31 May 2024 - Jonathan Hester  
**Test Package** : MOB 1 ( Additional Tests: FT-IR, KV100, TBN, VI )

**OLDCASTLE LAWN AND GARDEN**  
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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)