



# VOLVO

## OIL ANALYSIS REPORT

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

Area  
**[728856 ATLAS ORGANIC]**  
 Machine Id  
**VOLVO L120H 632574**  
 Component  
**Rear Axle**  
 Fluid  
**VOLVO WB 102 (--- GAL)**



### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP451468</b>	VCP414730	---
Sample Date		Client Info		<b>11 Jun 2024</b>	19 Sep 2023	---
Machine Age	hrs	Client Info		<b>9732</b>	8606	---
Oil Age	hrs	Client Info		<b>1500</b>	4000	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changed</b>	Changed	---
Filter Changed		Client Info		<b>Not Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>42</b>	162	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>30	<b>2</b>	0	---
Lead	ppm	ASTM D5185m	>50	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m	>120	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185m	>20	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

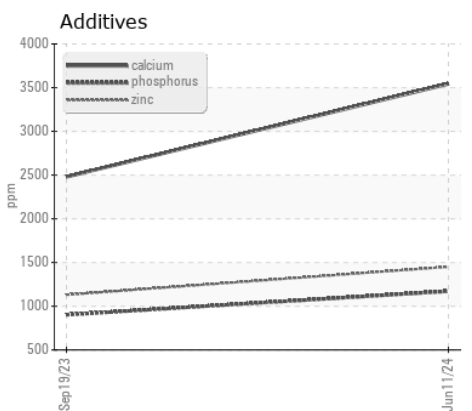
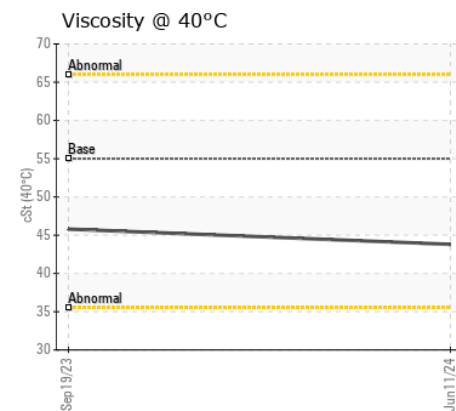
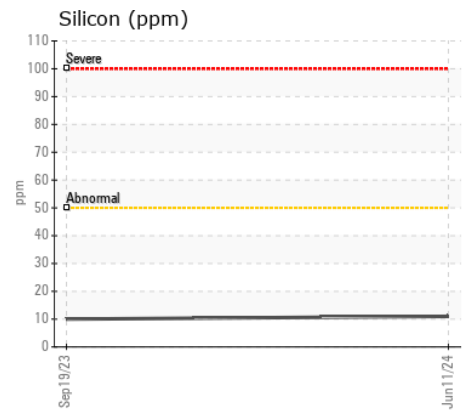
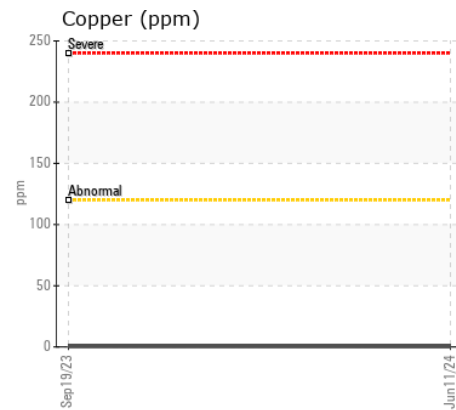
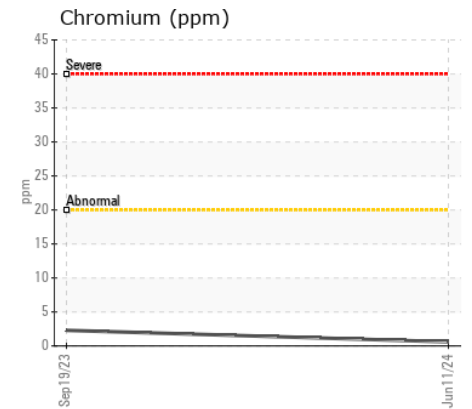
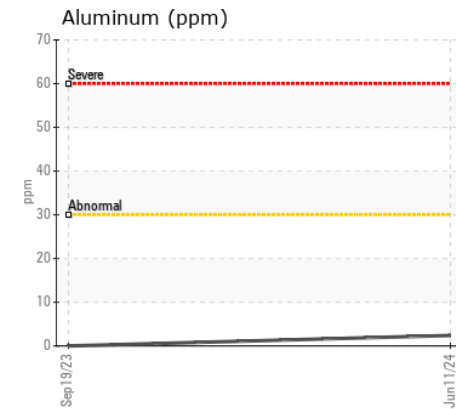
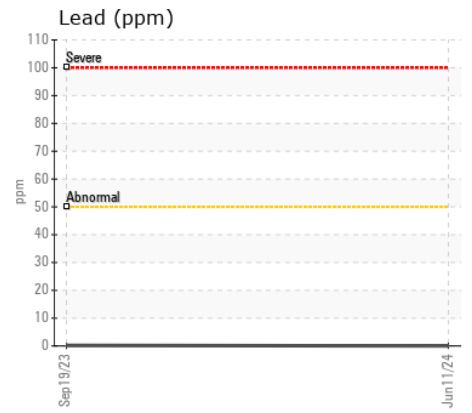
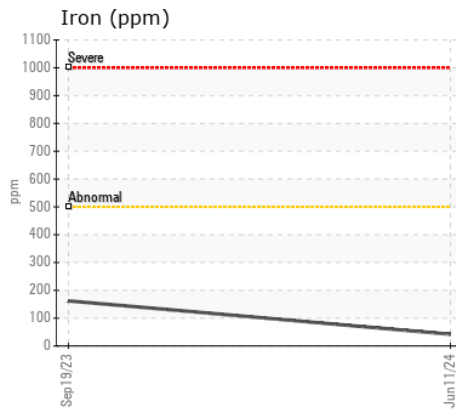
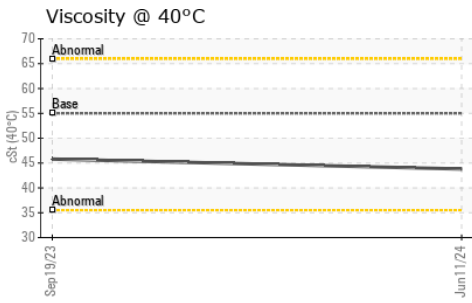
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>11</b>	10	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	1	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>0</b>	0	---
Boron	ppm	ASTM D5185m		<b>124</b>	29	---
Barium	ppm	ASTM D5185m		<b>0</b>	1	---
Molybdenum	ppm	ASTM D5185m		<b>3</b>	2	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	4	---
Magnesium	ppm	ASTM D5185m		<b>47</b>	8	---
Calcium	ppm	ASTM D5185m		<b>3543</b>	2480	---
Phosphorus	ppm	ASTM D5185m		<b>1172</b>	902	---
Zinc	ppm	ASTM D5185m		<b>1451</b>	1131	---
Sulfur	ppm	ASTM D5185m		<b>3408</b>	3282	---
Visc @ 40°C	cSt	ASTM D445	55	<b>43.8</b>	45.8	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP451468  
**Lab Number** : 06238176  
**Unique Number** : 11127010  
**Test Package** : MOB 1

**Received** : 16 Jul 2024  
**Tested** : 17 Jul 2024  
**Diagnosed** : 17 Jul 2024 - Wes Davis

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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)