



# VOLVO

## OIL ANALYSIS REPORT

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



Area  
**[A12303]**  
Machine Id  
**VOLVO L120H 633047**  
Component  
**Rear Axle**  
Fluid  
**MOBIL 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>VCP446016</b>	VCP434148	VCP400285
Sample Date		Client Info		<b>18 Mar 2024</b>	01 Nov 2023	11 Jan 2023
Machine Age	hrs	Client Info		<b>4500</b>	3400	2042
Oil Age	hrs	Client Info		<b>2000</b>	1000	1000
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>70</b>	39	64
Chromium	ppm	ASTM D5185m	>20	<b>2</b>	0	2
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>1</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>30	<b>2</b>	0	<1
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	1
Copper	ppm	ASTM D5185m	>120	<b>&lt;1</b>	0	<1
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

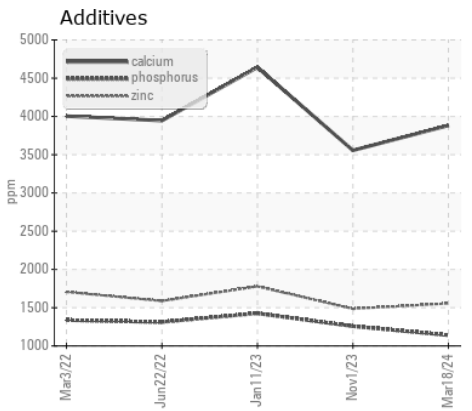
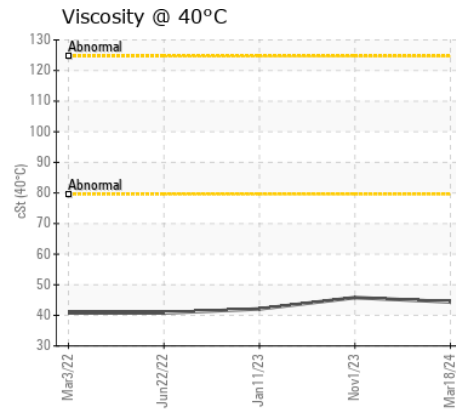
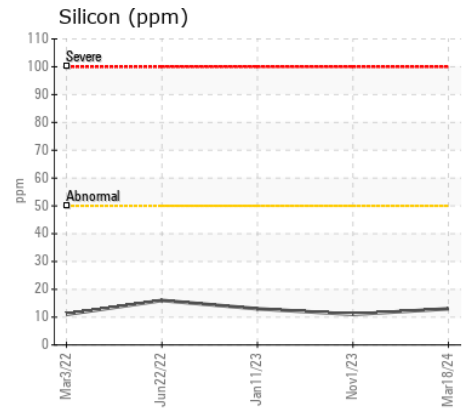
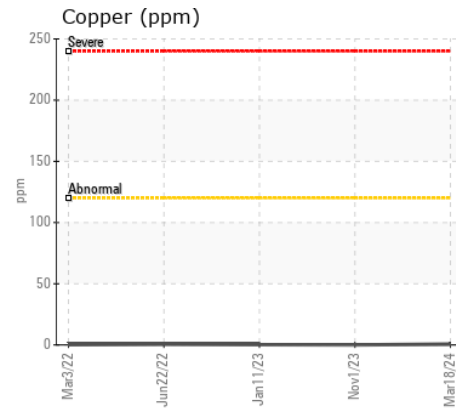
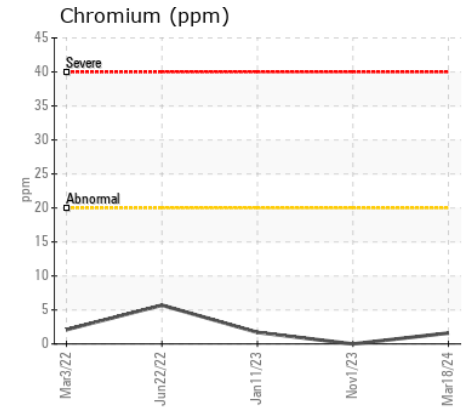
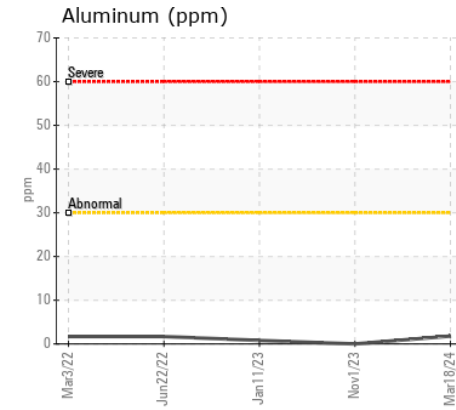
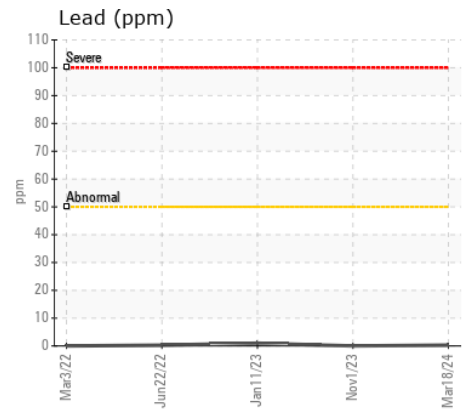
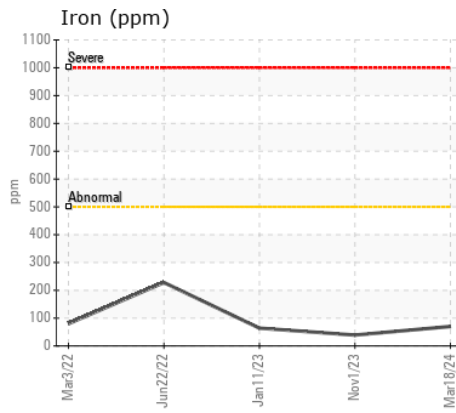
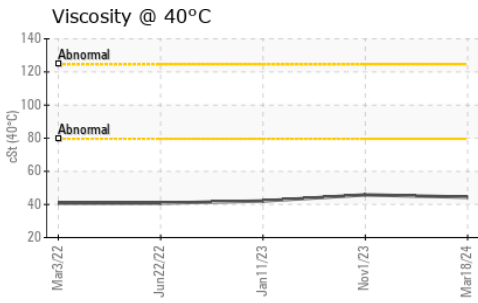
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>13</b>	11	13
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	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	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>0</b>	2	7
Boron	ppm	ASTM D5185m		<b>115</b>	130	142
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>5</b>	2	3
Manganese	ppm	ASTM D5185m		<b>2</b>	0	3
Magnesium	ppm	ASTM D5185m		<b>54</b>	55	45
Calcium	ppm	ASTM D5185m		<b>3882</b>	3556	4642
Phosphorus	ppm	ASTM D5185m		<b>1141</b>	1258	1426
Zinc	ppm	ASTM D5185m		<b>1556</b>	1486	1779
Sulfur	ppm	ASTM D5185m		<b>3995</b>	4115	4771
Visc @ 40°C	cSt	ASTM D445		<b>44.4</b>	45.8	42.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP446016  
**Lab Number** : 06124019  
**Unique Number** : 10938170  
**Test Package** : MOB 1

**Received** : 20 Mar 2024  
**Tested** : 21 Mar 2024  
**Diagnosed** : 21 Mar 2024 - Wes Davis

**GOURMETS DELIGHT**  
 PO BOX 160  
 AVONDALE, PA  
 US 19311

Contact: GABE VALENTINO  
 gabe.valentino@gourmetsfinest.com

T: (610)268-3578  
 F: (610)268-2298

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)