



# VOLVO

## OIL ANALYSIS REPORT

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



Area  
**[ATLAS ORGANICS]**  
Machine Id  
**VOLVO L70H 624288**  
Component  
**Front Axle**  
Fluid  
**VOLVO WET BRAKE TRANSAXLE OIL (--- GAL)**

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP437544</b>	VCP422678	VCP355079
Sample Date		Client Info		<b>21 Jun 2024</b>	16 Aug 2023	20 Jun 2022
Machine Age	hrs	Client Info		<b>3537</b>	2287	925
Oil Age	hrs	Client Info		<b>0</b>	0	925
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	N/A
Sample Status				<b>ABNORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>41</b>	64	72
Chromium	ppm	ASTM D5185m	>20	<b>1</b>	3	3
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>30	<b>&lt;1</b>	1	2
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185m	>120	<b>&lt;1</b>	1	<1
Tin	ppm	ASTM D5185m	>20	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>MODER</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

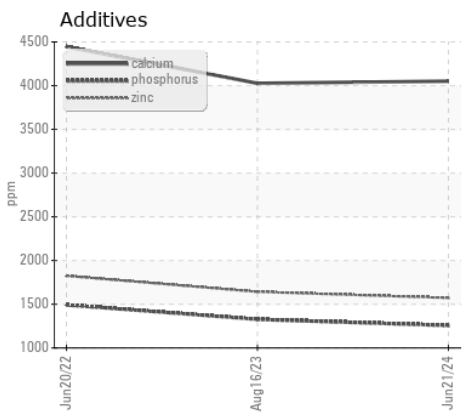
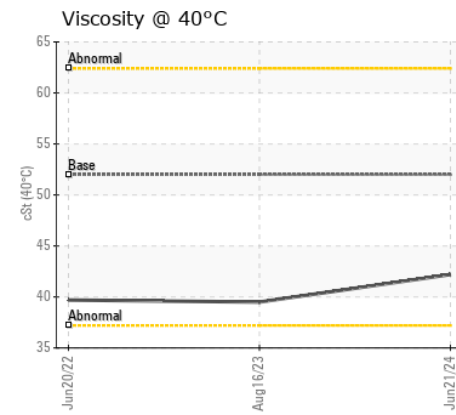
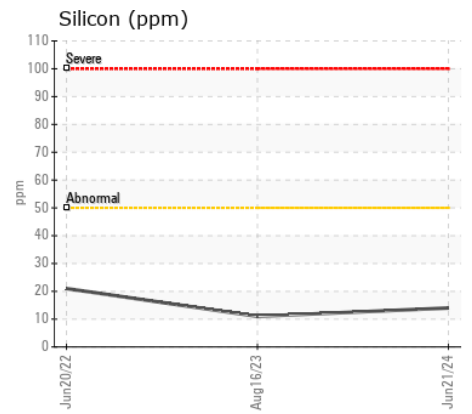
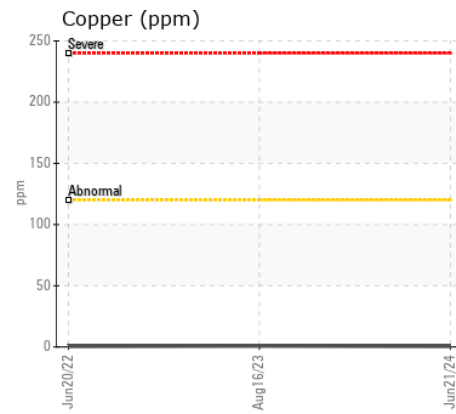
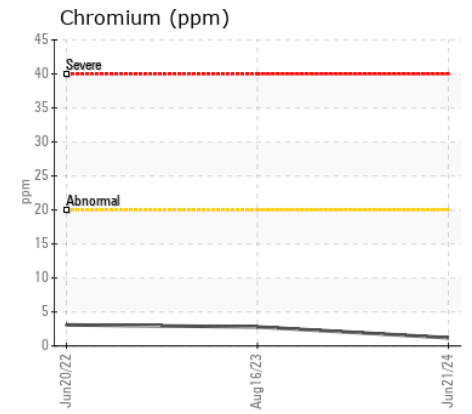
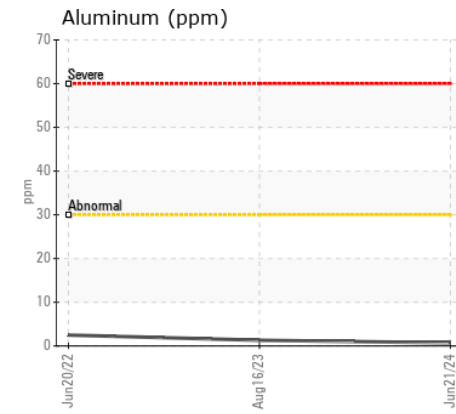
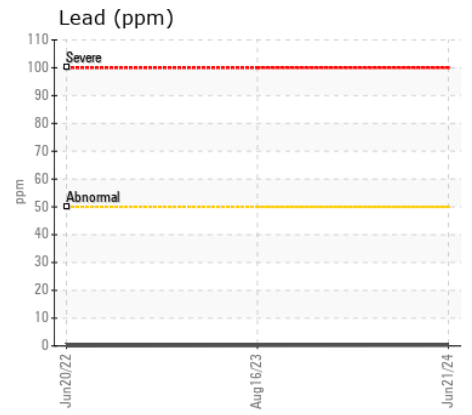
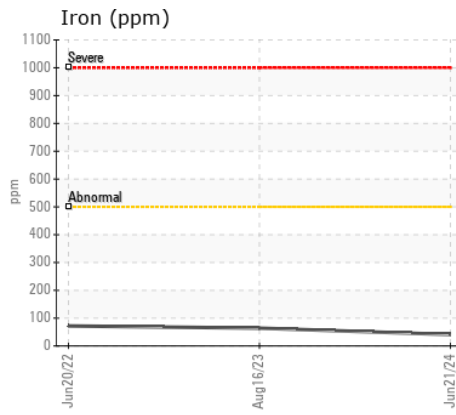
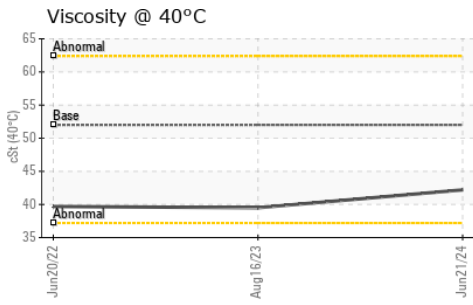
Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>14</b>	11	21
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	3
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>▲ MODER</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>4</b>	12	10
Boron	ppm	ASTM D5185m	100	<b>123</b>	135	155
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>3</b>	9	12
Manganese	ppm	ASTM D5185m		<b>4</b>	8	10
Magnesium	ppm	ASTM D5185m	0	<b>18</b>	3	13
Calcium	ppm	ASTM D5185m	3800	<b>4051</b>	4027	4445
Phosphorus	ppm	ASTM D5185m	1200	<b>1257</b>	1327	1492
Zinc	ppm	ASTM D5185m	1500	<b>1572</b>	1642	1825
Sulfur	ppm	ASTM D5185m	6500	<b>4668</b>	4939	5337
Visc @ 40°C	cSt	ASTM D445	52.0	<b>42.2</b>	39.5	39.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP437544  
**Lab Number** : 06221633  
**Unique Number** : 11099830  
**Test Package** : MOB 1

**Received** : 26 Jun 2024  
**Tested** : 27 Jun 2024  
**Diagnosed** : 28 Jun 2024 - Don Baldrige

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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)