



# ASCENDUM

## OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO L90H 626410**  
Component  
**Transmission (Auto)**  
Fluid  
**VOLVO AT 102 (--- 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>ASC0009046</b>	ASC0010271	ASC0006380
Sample Date		Client Info		<b>10 Jul 2024</b>	29 Mar 2024	11 Jan 2024
Machine Age	hrs	Client Info		<b>3487</b>	2562	0
Oil Age	hrs	Client Info		<b>3487</b>	2562	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	Not Changd
Sample Status				<b>ABNORMAL</b>	ABNORMAL	NORMAL

### WEAR

Gear wear is indicated.

Iron	ppm	ASTM D5185m	>160	<b>▲ 169</b>	▲ 170	148
Chromium	ppm	ASTM D5185m	>5	<b>1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	<1
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>2</b>	2	2
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>225	<b>19</b>	12	10
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

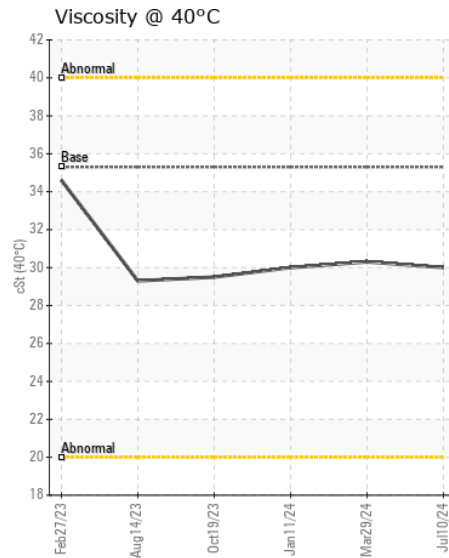
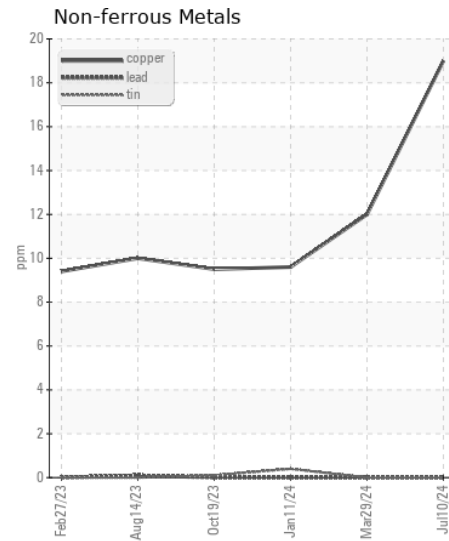
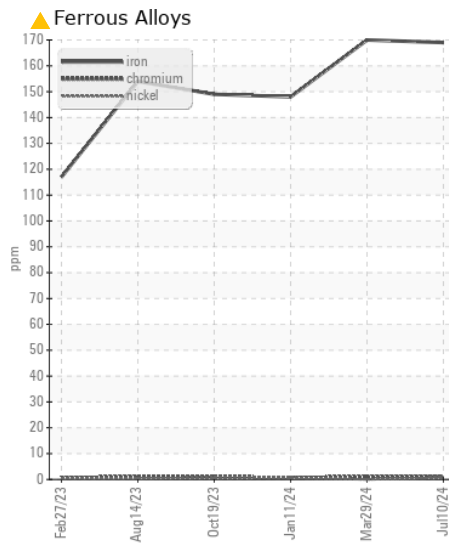
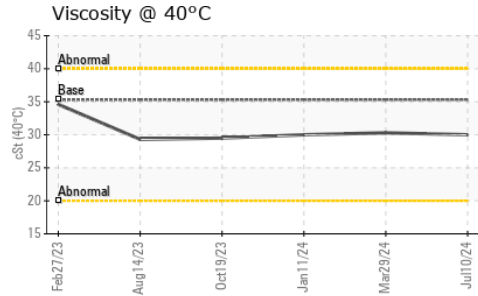
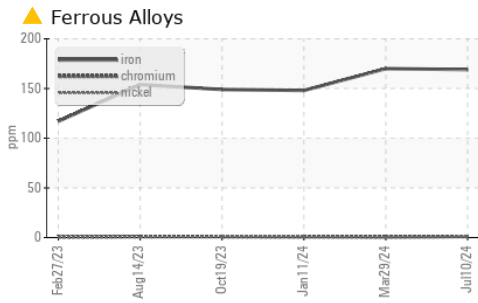
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>11</b>	11	10
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	1	2
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>	5	5
Boron	ppm	ASTM D5185m	187	<b>54</b>	55	50
Barium	ppm	ASTM D5185m	0.0	<b>0</b>	3	1
Molybdenum	ppm	ASTM D5185m	0.0	<b>7</b>	6	4
Manganese	ppm	ASTM D5185m	0.0	<b>9</b>	10	9
Magnesium	ppm	ASTM D5185m	6.8	<b>98</b>	93	67
Calcium	ppm	ASTM D5185m	215	<b>195</b>	208	162
Phosphorus	ppm	ASTM D5185m	445	<b>289</b>	300	251
Zinc	ppm	ASTM D5185m	56	<b>199</b>	194	148
Sulfur	ppm	ASTM D5185m	1336	<b>1952</b>	2428	1810
Visc @ 40°C	cSt	ASTM D445	35.3	<b>30.0</b>	30.3	30.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0009046  
**Lab Number** : 06238625  
**Unique Number** : 11127459  
**Test Package** : CONST

**Received** : 16 Jul 2024  
**Tested** : 17 Jul 2024  
**Diagnosed** : 18 Jul 2024 - Sean Felton

**IAA - INSURANCE AUTO AUCTIONS - CLAYTON**  
 60 SADISCO RD  
 CLAYTON, NC  
 US 27520  
 Contact: Service Manager

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)

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F: