



# ASCENDUM

## OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO L60H 621267**  
Component  
**Transmission (Auto)**  
Fluid  
**VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ASC0009804</b>	ASC0000027	VCP290095
Sample Date		Client Info		<b>13 Jun 2024</b>	20 Jul 2023	03 Dec 2020
Machine Age	hrs	Client Info		<b>7069</b>	6070	4015
Oil Age	hrs	Client Info		<b>5014</b>	2055	0
Filter Age	hrs	Client Info		<b>0</b>	2055	0
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	<b>41</b>	37	76
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>50	<b>1</b>	<1	<1
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>225	<b>11</b>	8	12
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
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

### CONTAMINATION

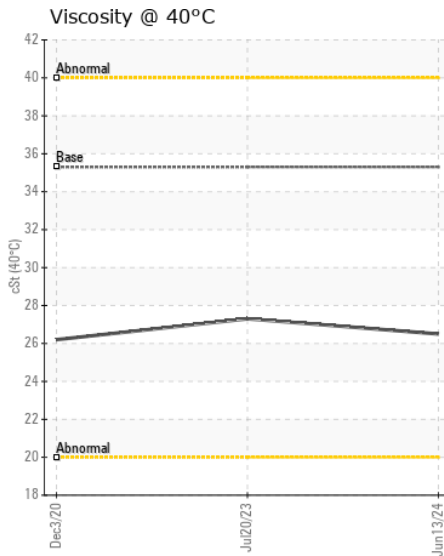
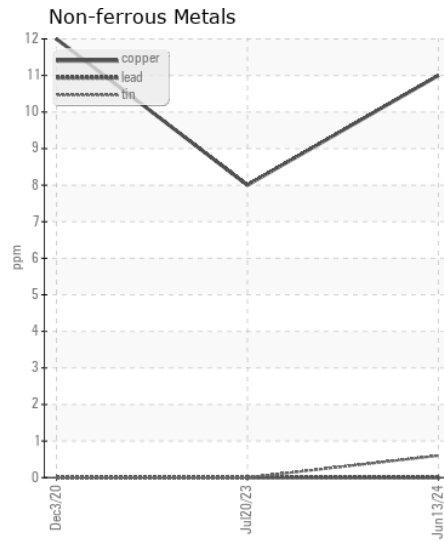
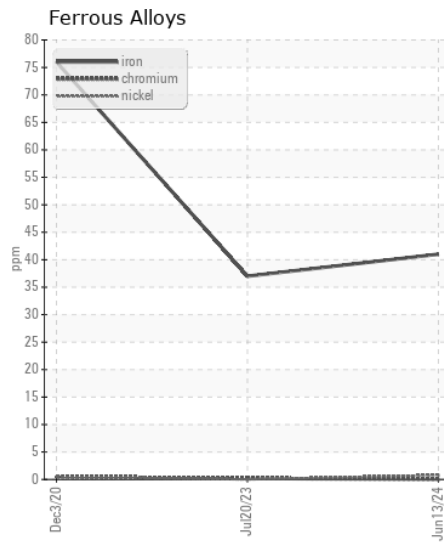
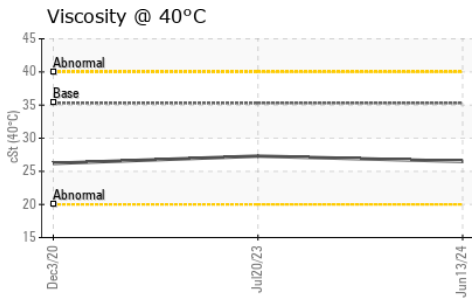
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>8</b>	6	9
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	<1	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</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>8</b>	4	8
Boron	ppm	ASTM D5185m	187	<b>62</b>	78	47
Barium	ppm	ASTM D5185m	0.0	<b>&lt;1</b>	0	4
Molybdenum	ppm	ASTM D5185m	0.0	<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m	0.0	<b>5</b>	4	9
Magnesium	ppm	ASTM D5185m	6.8	<b>2</b>	<1	1
Calcium	ppm	ASTM D5185m	215	<b>89</b>	91	110
Phosphorus	ppm	ASTM D5185m	445	<b>202</b>	186	153
Zinc	ppm	ASTM D5185m	56	<b>32</b>	23	56
Sulfur	ppm	ASTM D5185m	1336	<b>2136</b>	2125	1560
Visc @ 40°C	cSt	ASTM D445	35.3	<b>26.5</b>	27.3	26.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0009804  
**Lab Number** : 06213948  
**Unique Number** : 11086812  
**Test Package** : CONST

**Received** : 18 Jun 2024  
**Tested** : 19 Jun 2024  
**Diagnosed** : 19 Jun 2024 - Wes Davis

**MONROE ROADWAYS**  
 7061 CAMP GROUND RD  
 DENVER, NC  
 US 28037  
 Contact: TIM CATLIN

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)

T: (704)489-0700

F: