



# ASCENDUM

## OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO A30G 753658**  
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>ASC0011239</b>	VCP436541	---
Sample Date		Client Info		<b>13 Jun 2024</b>	12 Jan 2024	---
Machine Age	hrs	Client Info		<b>813</b>	13	---
Oil Age	hrs	Client Info		<b>813</b>	13	---
Filter Age	hrs	Client Info		<b>813</b>	0	---
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	---
Filter Changed		Client Info		<b>Changed</b>	Not Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	<b>16</b>	8	---
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m	>5	<b>1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>50	<b>13</b>	2	---
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>225	<b>12</b>	4	---
Tin	ppm	ASTM D5185m	>10	<b>4</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

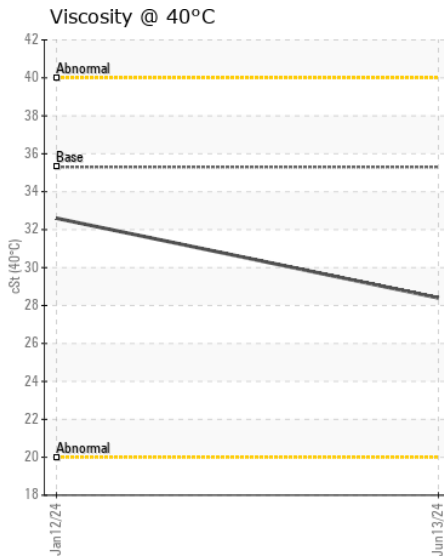
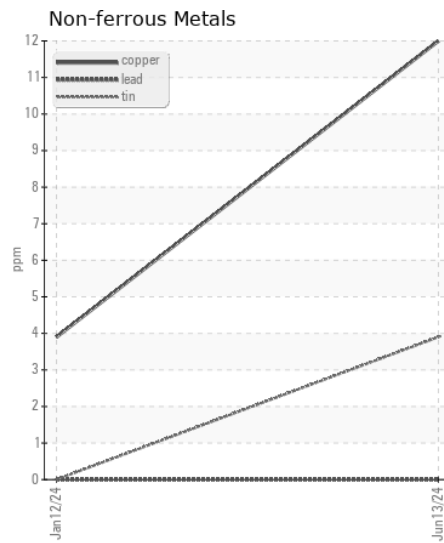
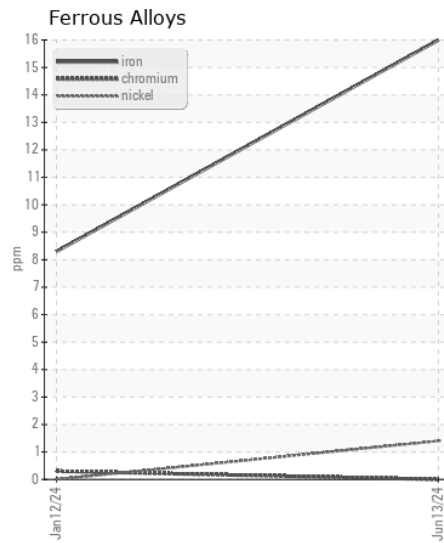
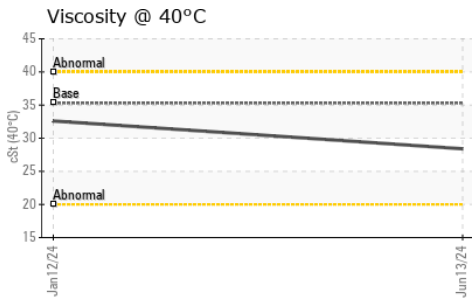
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>9</b>	15	---
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	2	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>LIGHT</b>	LIGHT	---
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	>0.1	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>5</b>	0	---
Boron	ppm	ASTM D5185m	187	<b>81</b>	104	---
Barium	ppm	ASTM D5185m	0.0	<b>0</b>	3	---
Molybdenum	ppm	ASTM D5185m	0.0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m	0.0	<b>2</b>	3	---
Magnesium	ppm	ASTM D5185m	6.8	<b>1</b>	0	---
Calcium	ppm	ASTM D5185m	215	<b>74</b>	74	---
Phosphorus	ppm	ASTM D5185m	445	<b>218</b>	249	---
Zinc	ppm	ASTM D5185m	56	<b>5</b>	0	---
Sulfur	ppm	ASTM D5185m	1336	<b>2294</b>	2166	---
Visc @ 40°C	cSt	ASTM D445	35.3	<b>28.4</b>	32.6	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0011239  
**Lab Number** : 06213943  
**Unique Number** : 11086807  
**Test Package** : CONST

**Received** : 18 Jun 2024  
**Tested** : 19 Jun 2024  
**Diagnosed** : 20 Jun 2024 - Don Baldrige

**CARDINAL CIVIL**  
 4700 FALLS OF NEUSE RD, SUITE 370  
 RALEIGH, NC  
 US 27609  
 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)

T: (919)324-1964

F: