



# ASCENDUM

## OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO A30G 752814**  
Component  
**Transmission (Auto)**  
Fluid  
**VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- 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>ASC0009207</b>	ASC0010016	ASC0002660
Sample Date		Client Info		<b>27 Jun 2024</b>	01 May 2024	16 Nov 2023
Machine Age	hrs	Client Info		<b>3488</b>	3161	2527
Oil Age	hrs	Client Info		<b>2264</b>	2571	590
Filter Age	hrs	Client Info		<b>0</b>	0	590
Oil Changed		Client Info		<b>N/A</b>	N/A	Not Changd
Filter Changed		Client Info		<b>N/A</b>	Changed	Not Changd
Sample Status				<b>ABNORMAL</b>	ABNORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	<b>37</b>	37	21
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>5	<b>2</b>	2	1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>50	<b>33</b>	29	16
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	2	0
Copper	ppm	ASTM D5185m	>225	<b>16</b>	11	9
Tin	ppm	ASTM D5185m	>10	<b>6</b>	7	3
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

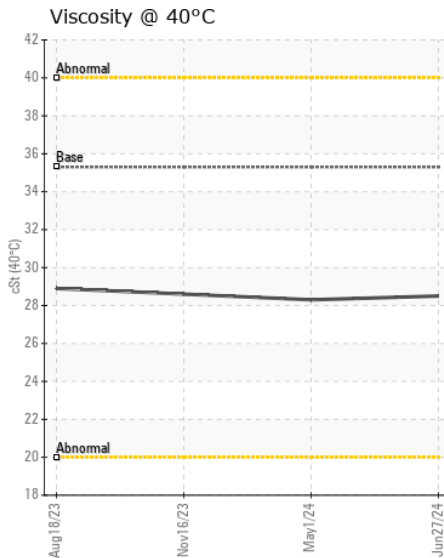
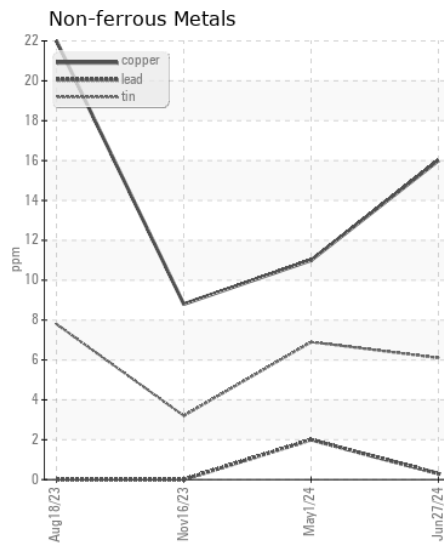
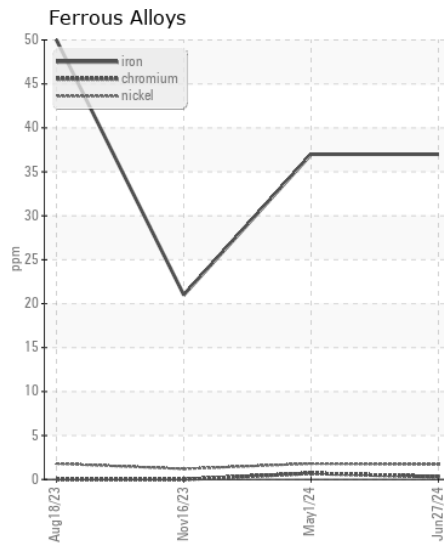
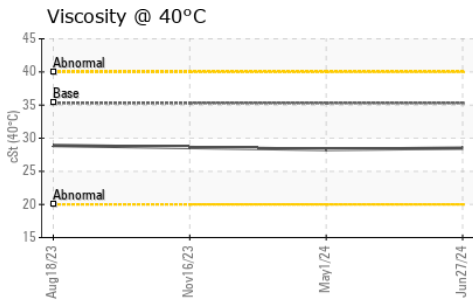
Moderate concentration of visible dirt/debris present in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>15</b>	7	6
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	▲ MODER	NONE
Debris	scalar	*Visual	NONE	▲ <b>MODER</b>	NONE	LIGHT
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>3</b>	4	4
Boron	ppm	ASTM D5185m	187	<b>89</b>	70	73
Barium	ppm	ASTM D5185m	0.0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0.0	<b>4</b>	3	2
Manganese	ppm	ASTM D5185m	0.0	<b>2</b>	2	1
Magnesium	ppm	ASTM D5185m	6.8	<b>45</b>	26	29
Calcium	ppm	ASTM D5185m	215	<b>197</b>	157	150
Phosphorus	ppm	ASTM D5185m	445	<b>260</b>	250	244
Zinc	ppm	ASTM D5185m	56	<b>71</b>	49	36
Sulfur	ppm	ASTM D5185m	1336	<b>1635</b>	1776	1475
Visc @ 40°C	cSt	ASTM D445	35.3	<b>28.5</b>	28.3	28.6



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0009207  
**Lab Number** : 06228202  
**Unique Number** : 11111695  
**Test Package** : CONST

**Received** : 03 Jul 2024  
**Tested** : 08 Jul 2024  
**Diagnosed** : 08 Jul 2024 - Jonathan Hester

**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: