



# ASCENDUM

## OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO A45G FS A45G352226**  
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>ASC0011081</b>	ASC0008598	VCP398813
Sample Date		Client Info		<b>29 May 2024</b>	19 Feb 2024	17 Oct 2023
Machine Age	hrs	Client Info		<b>5424</b>	5007	4254
Oil Age	hrs	Client Info		<b>4671</b>	753	0
Filter Age	hrs	Client Info		<b>4671</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Not Changd	Changed
Filter Changed		Client Info		<b>N/A</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	<b>15</b>	14	29
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>5	<b>4</b>	4	8
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>9</b>	10	16
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>225	<b>29</b>	32	51
Tin	ppm	ASTM D5185m	>10	<b>3</b>	3	5
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

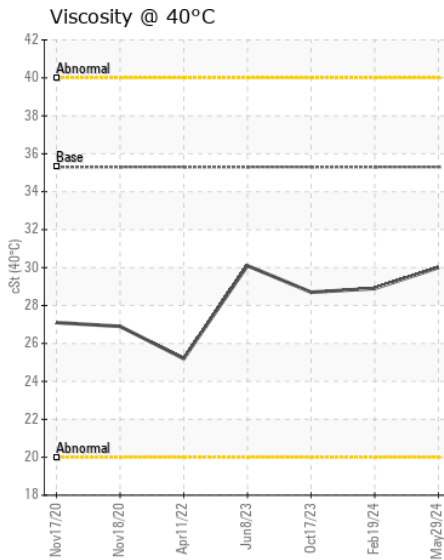
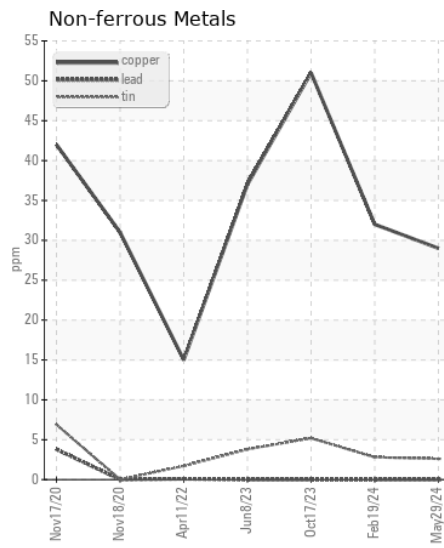
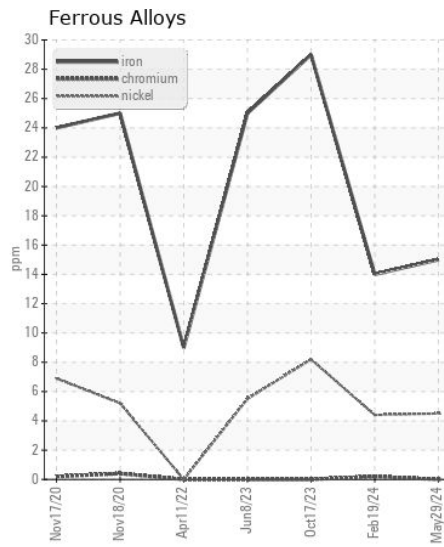
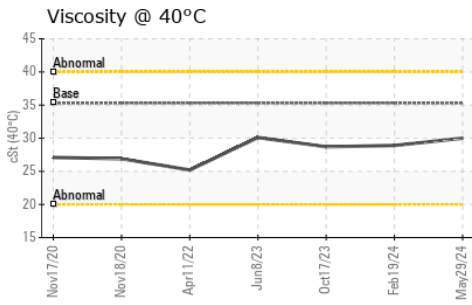
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>4</b>	5	12
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	5	16
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>5</b>	4	7
Boron	ppm	ASTM D5185m	187	<b>80</b>	86	76
Barium	ppm	ASTM D5185m	0.0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0.0	<b>3</b>	3	0
Manganese	ppm	ASTM D5185m	0.0	<b>&lt;1</b>	0	1
Magnesium	ppm	ASTM D5185m	6.8	<b>37</b>	33	7
Calcium	ppm	ASTM D5185m	215	<b>199</b>	153	86
Phosphorus	ppm	ASTM D5185m	445	<b>328</b>	297	210
Zinc	ppm	ASTM D5185m	56	<b>60</b>	55	7
Sulfur	ppm	ASTM D5185m	1336	<b>1873</b>	1602	1526
Visc @ 40°C	cSt	ASTM D445	35.3	<b>30.0</b>	28.9	28.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0011081  
**Lab Number** : 06212703  
**Unique Number** : 11085567  
**Test Package** : CONST

**Received** : 17 Jun 2024  
**Tested** : 18 Jun 2024  
**Diagnosed** : 18 Jun 2024 - Wes Davis

**117 - ASCENDUM MACHINERY INC - GREENVILLE**  
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 GREENVILLE, NC  
 US 27834

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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)

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