



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

Area  
**[W68412]**

Machine Id  
**A30G753396**

Component  
**Transmission (Manual)**

Fluid  
**VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (30 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: W68412 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0220382</b>	JR0205600	JR0178309
Sample Date		Client Info		<b>08 Jul 2024</b>	14 Mar 2024	30 Aug 2023
Machine Age	hrs	Client Info		<b>1894</b>	1368	565
Oil Age	hrs	Client Info		<b>1894</b>	1368	565
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Not Chngd	Not Chngd
Filter Changed		Client Info		<b>Changed</b>	Changed	Not Chngd
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	<b>16</b>	211	14
Iron	ppm	ASTM D5185m	>200	<b>&lt;1</b>	▲ 211	0
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	4	0
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	2	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	>7	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	2	<1
Lead	ppm	ASTM D5185m	>45	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>225	<b>&lt;1</b>	92	0
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	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

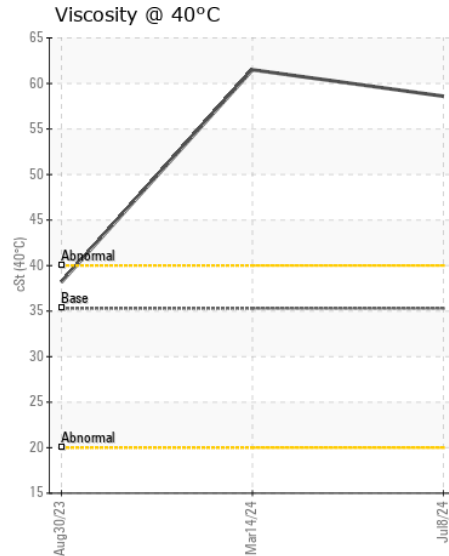
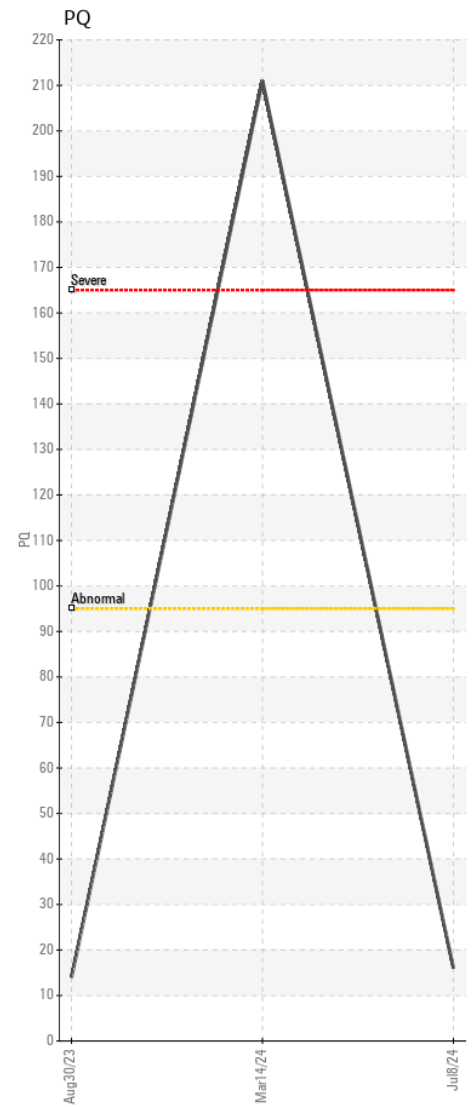
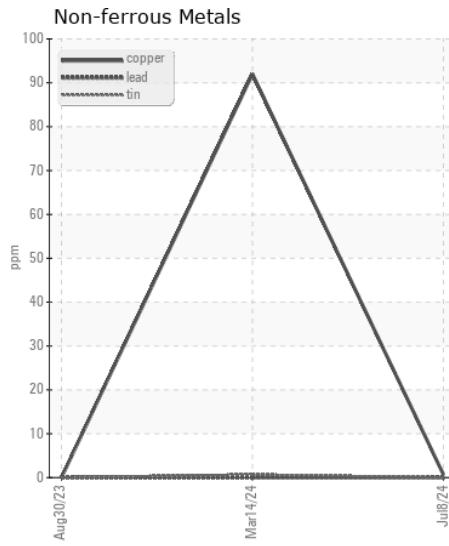
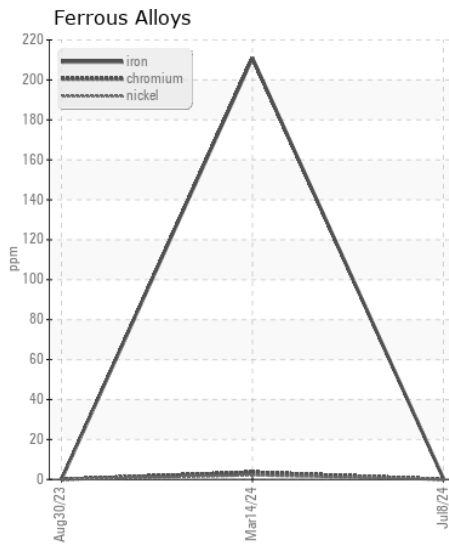
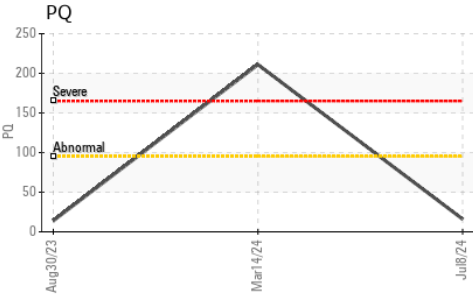
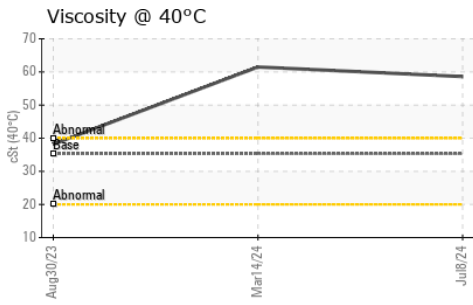
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	<b>3</b>	10	<1
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	6	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>2</b>	<1	<1
Boron	ppm	ASTM D5185m	187	<b>4</b>	189	157
Barium	ppm	ASTM D5185m	0.0	<b>0</b>	2	0
Molybdenum	ppm	ASTM D5185m	0.0	<b>0</b>	5	<1
Manganese	ppm	ASTM D5185m	0.0	<b>0</b>	7	<1
Magnesium	ppm	ASTM D5185m	6.8	<b>93</b>	6	0
Calcium	ppm	ASTM D5185m	215	<b>3306</b>	1919	62
Phosphorus	ppm	ASTM D5185m	445	<b>994</b>	1166	312
Zinc	ppm	ASTM D5185m	56	<b>1159</b>	808	6
Sulfur	ppm	ASTM D5185m	1336	<b>3745</b>	12472	281
Visc @ 40°C	cSt	ASTM D445	35.3	<b>58.6</b>	61.5	38.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0220382 **Received** : 10 Jul 2024  
**Lab Number** : 06232422 **Tested** : 11 Jul 2024  
**Unique Number** : 11115915 **Diagnosed** : 11 Jul 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
 9550 STATESVILLE ROAD  
 CHARLOTTE, NC  
 US 28269

Contact: CHARLOTTE SHOP  
 myoung@jamesriverequipment.com

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)597-0211  
 F: (704)596-6198