



# ASCENDUM

## OIL ANALYSIS REPORT



Area  
**Ascendum Machinery**  
 Machine Id  
**VOLVO L90G 617360**  
 Component  
**Transmission (Auto)**  
 Fluid  
**VOLVO AT 102 (--- GAL)**

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

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ASC0005142</b>	VCP0006537	VCP246114
Sample Date		Client Info		<b>20 Feb 2024</b>	25 Apr 2023	05 Sep 2019
Machine Age	hrs	Client Info		<b>10670</b>	10443	7988
Oil Age	hrs	Client Info		<b>8215</b>	2455	0
Filter Age	hrs	Client Info		<b>8215</b>	2455	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>39</b>	35	90
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>50	<b>2</b>	2	4
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	2
Copper	ppm	ASTM D5185m	>225	<b>7</b>	6	11
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

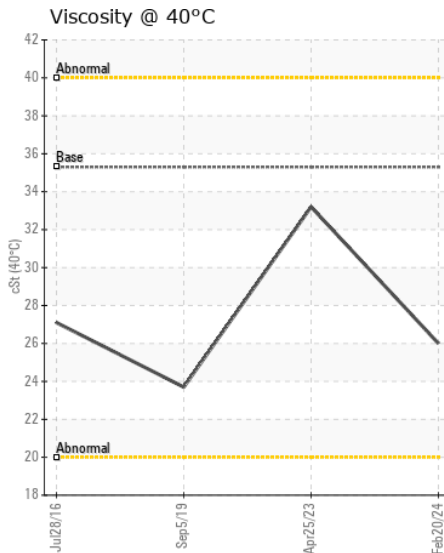
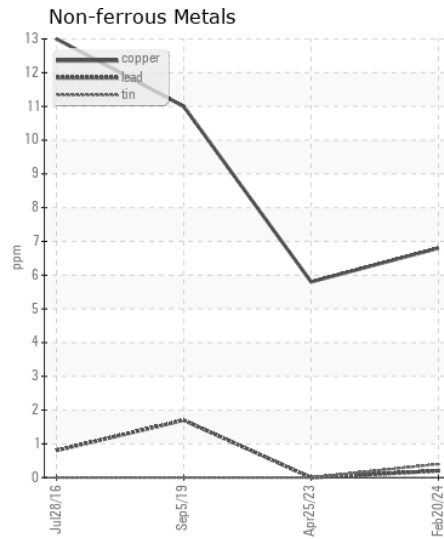
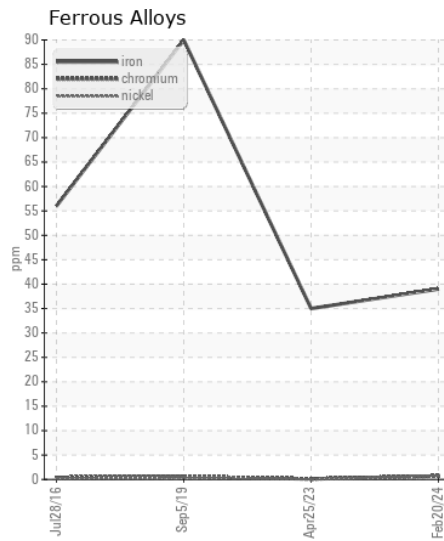
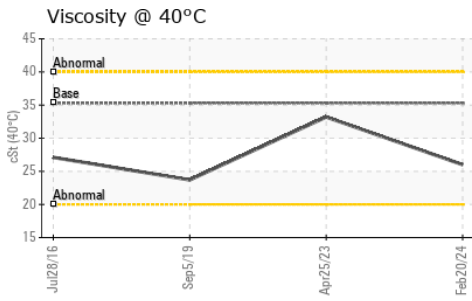
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>5</b>	3	7
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	0	<1
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>3</b>	4	5
Boron	ppm	ASTM D5185m	187	<b>49</b>	51	23
Barium	ppm	ASTM D5185m	0.0	<b>1</b>	0	<1
Molybdenum	ppm	ASTM D5185m	0.0	<b>1</b>	<1	0
Manganese	ppm	ASTM D5185m	0.0	<b>3</b>	3	7
Magnesium	ppm	ASTM D5185m	6.8	<b>3</b>	4	5
Calcium	ppm	ASTM D5185m	215	<b>74</b>	83	63
Phosphorus	ppm	ASTM D5185m	445	<b>141</b>	158	140
Zinc	ppm	ASTM D5185m	56	<b>57</b>	71	142
Sulfur	ppm	ASTM D5185m	1336	<b>1632</b>	1894	1670
Visc @ 40°C	cSt	ASTM D445	35.3	<b>26.0</b>	33.2	23.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0005142  
**Lab Number** : 06102117  
**Unique Number** : 10900347  
**Test Package** : CONST

**Received** : 27 Feb 2024  
**Tested** : 28 Feb 2024  
**Diagnosed** : 28 Feb 2024 - Wes Davis

**IAA - INSURANCE AUTO AUCTIONS - OAK BROOK**  
 701 HARGER RD, SUITE 201  
 OAK BROOK, IL  
 US 60523  
 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)

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F: