



# ASCENDUM

## OIL ANALYSIS REPORT



Area  
**Ascendum Machinery**  
Machine Id  
**VOLVO L90H 626962**  
Component  
**Front Axle**  
Fluid  
**VOLVO WB 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>ASC0008462</b>	ASC0007808	ASC0005064
Sample Date		Client Info		<b>03 Jul 2024</b>	14 Mar 2024	05 Dec 2023
Machine Age	hrs	Client Info		<b>1962</b>	1456	951
Oil Age	hrs	Client Info		<b>1457</b>	505	951
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Changed
Filter Changed		Client Info		<b>Not Chngd</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>300	<b>71</b>	7	51
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	2
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>15	<b>1</b>	<1	1
Lead	ppm	ASTM D5185m	>4	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>200	<b>1</b>	0	2
Tin	ppm	ASTM D5185m	>15	<b>0</b>	0	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

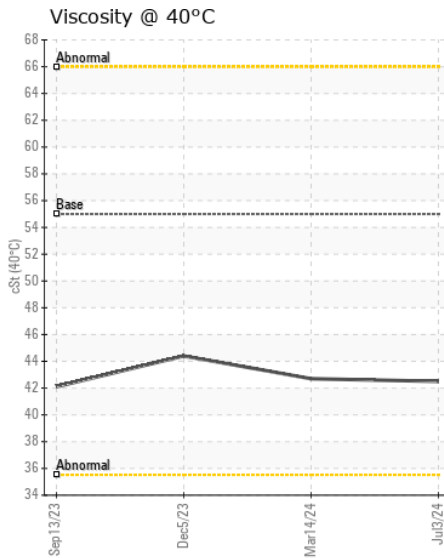
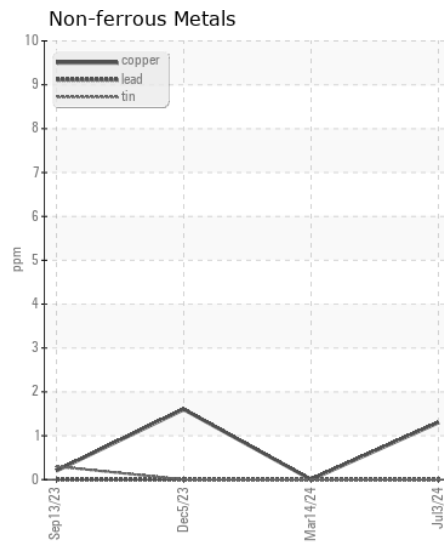
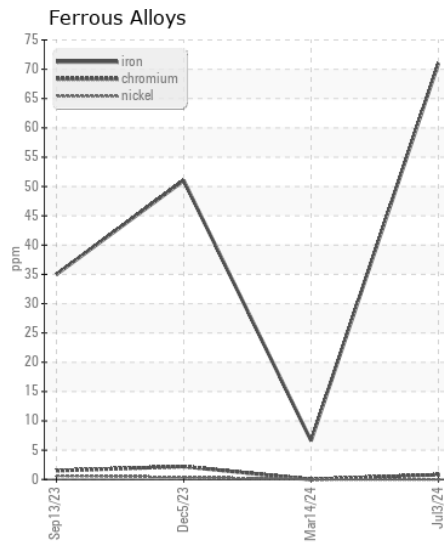
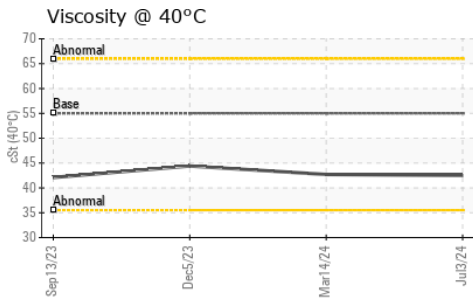
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>13</b>	9	20
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	2
Water		WC Method	>0.2	<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	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>3</b>	<1	3
Boron	ppm	ASTM D5185m		<b>118</b>	115	118
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>2</b>	<1	10
Manganese	ppm	ASTM D5185m		<b>2</b>	<1	8
Magnesium	ppm	ASTM D5185m		<b>11</b>	8	13
Calcium	ppm	ASTM D5185m		<b>3965</b>	3941	3829
Phosphorus	ppm	ASTM D5185m		<b>1274</b>	1282	1323
Zinc	ppm	ASTM D5185m		<b>1489</b>	1609	1635
Sulfur	ppm	ASTM D5185m		<b>3999</b>	4328	3932
Visc @ 40°C	cSt	ASTM D445	55	<b>42.5</b>	42.7	44.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0008462  
**Lab Number** : 06233561  
**Unique Number** : 11117054  
**Test Package** : CONST

**Received** : 11 Jul 2024  
**Tested** : 12 Jul 2024  
**Diagnosed** : 12 Jul 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)

T:  
F: