



# ASCENDUM

## OIL ANALYSIS REPORT



Area  
**Ascendum Machinery**  
Machine Id  
**VOLVO L90H 626713**  
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.

### WEAR

All component wear rates are normal.

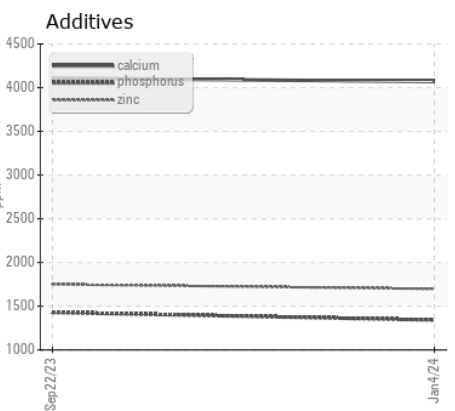
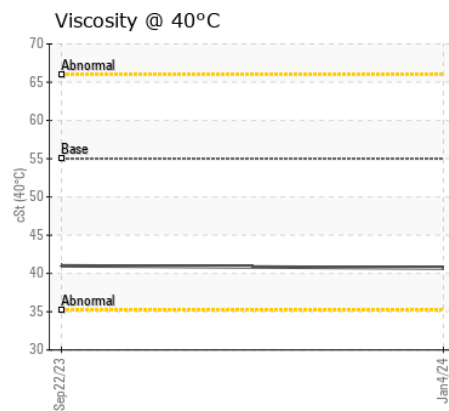
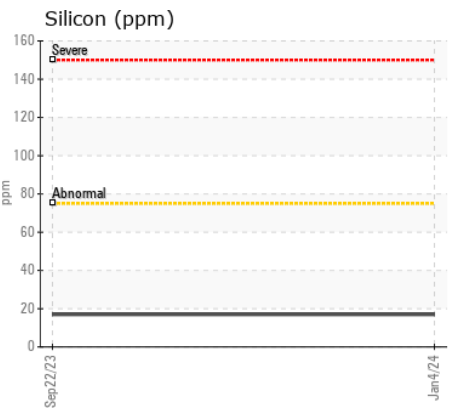
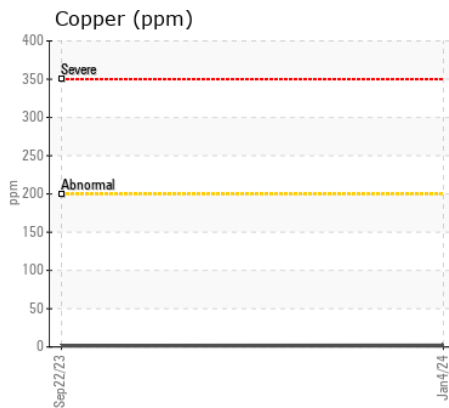
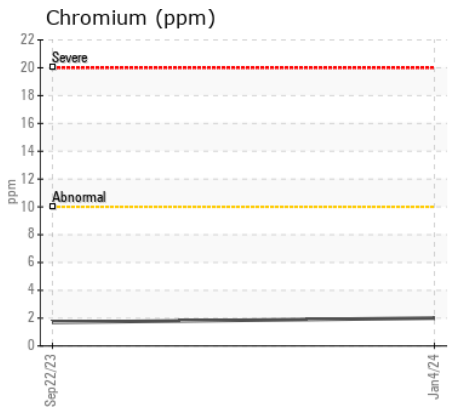
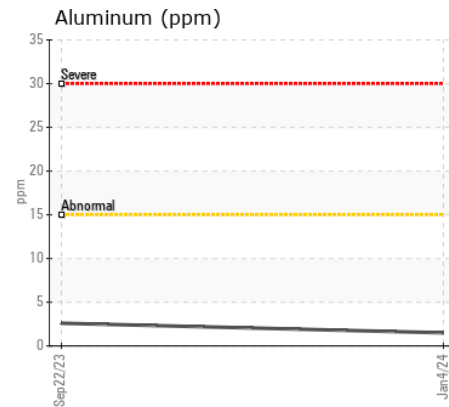
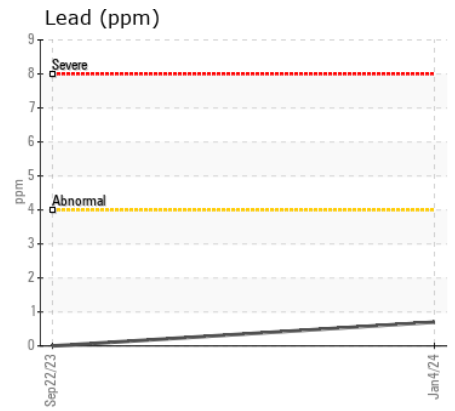
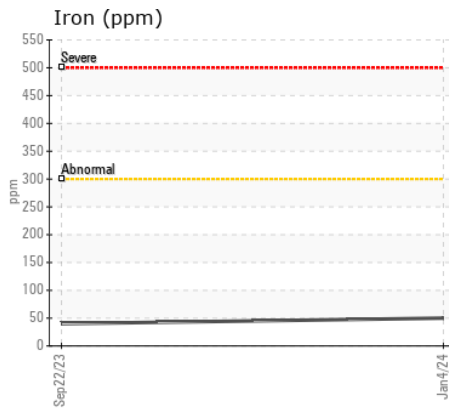
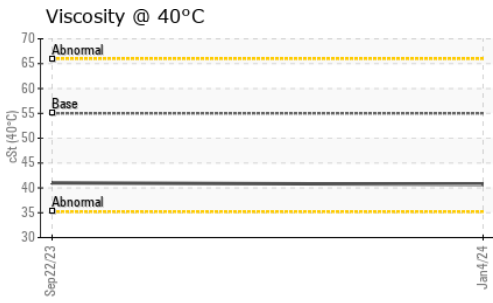
### CONTAMINATION

There is no indication of any contamination in the oil.

### FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ASC0000884</b>	ASC0000756	---
Sample Date		Client Info		<b>04 Jan 2024</b>	22 Sep 2023	---
Machine Age	hrs	Client Info		<b>1499</b>	989	---
Oil Age	hrs	Client Info		<b>1499</b>	989	---
Filter Age	hrs	Client Info		<b>0</b>	989	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>None</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	NORMAL	---
Iron	ppm	ASTM D5185m	>300	<b>50</b>	40	---
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	2	---
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>15	<b>2</b>	3	---
Lead	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>200	<b>2</b>	2	---
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silicon	ppm	ASTM D5185m	>75	<b>17</b>	17	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	2	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>MODER</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---
Sodium	ppm	ASTM D5185m		<b>0</b>	3	---
Boron	ppm	ASTM D5185m		<b>155</b>	155	---
Barium	ppm	ASTM D5185m		<b>2</b>	2	---
Molybdenum	ppm	ASTM D5185m		<b>6</b>	5	---
Manganese	ppm	ASTM D5185m		<b>6</b>	5	---
Magnesium	ppm	ASTM D5185m		<b>10</b>	10	---
Calcium	ppm	ASTM D5185m		<b>4070</b>	4108	---
Phosphorus	ppm	ASTM D5185m		<b>1342</b>	1429	---
Zinc	ppm	ASTM D5185m		<b>1698</b>	1750	---
Sulfur	ppm	ASTM D5185m		<b>4079</b>	4365	---
Visc @ 40°C	cSt	ASTM D445	55	<b>40.7</b>	41.0	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0000884 **Received** : 12 Jan 2024  
**Lab Number** : 06059703 **Diagnosed** : 16 Jan 2024  
**Unique Number** : 10831085 **Diagnostician** : Wes Davis  
**Test Package** : MOBCE

**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: