



# ASCENDUM

## OIL ANALYSIS REPORT



Area  
**Ascendum Machinery**  
 Machine Id  
**VOLVO L90H L90HV627251**  
 Component  
**Rear 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>ASC0009753</b>	ASC0007377	---
Sample Date		Client Info		<b>21 Jun 2024</b>	16 Feb 2024	---
Machine Age	hrs	Client Info		<b>972</b>	420	---
Oil Age	hrs	Client Info		<b>972</b>	420	---
Filter Age	hrs	Client Info		<b>0</b>	420	---
Oil Changed		Client Info		<b>Changed</b>	Not Changd	---
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>300	<b>76</b>	14	---
Chromium	ppm	ASTM D5185m	>10	<b>3</b>	<1	---
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>200	<b>2</b>	30	---
Tin	ppm	ASTM D5185m	>15	<b>0</b>	2	---
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	---

### CONTAMINATION

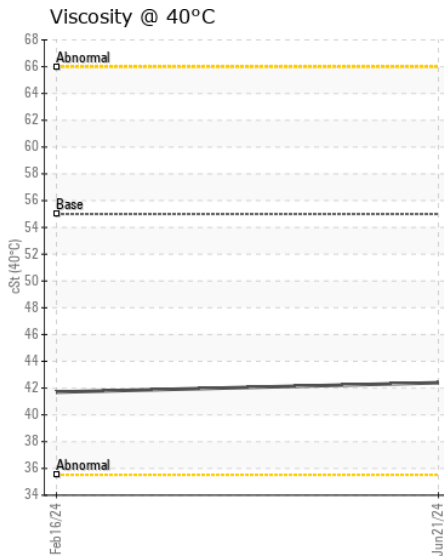
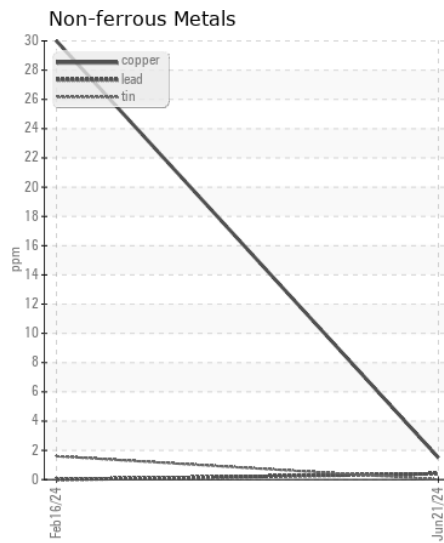
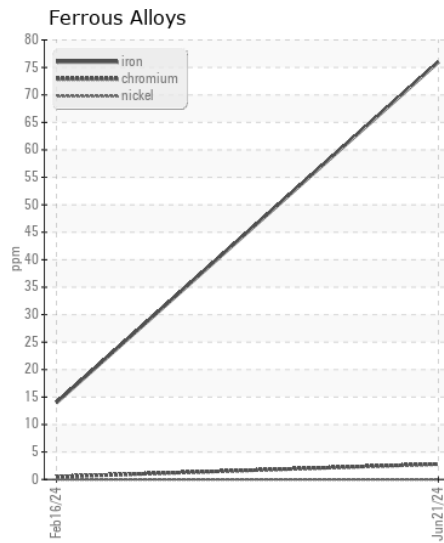
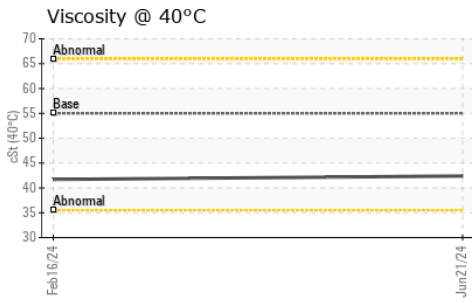
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>17</b>	12	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</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	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>4</b>	0	---
Boron	ppm	ASTM D5185m		<b>114</b>	114	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>10</b>	0	---
Manganese	ppm	ASTM D5185m		<b>8</b>	2	---
Magnesium	ppm	ASTM D5185m		<b>11</b>	10	---
Calcium	ppm	ASTM D5185m		<b>3795</b>	3564	---
Phosphorus	ppm	ASTM D5185m		<b>1233</b>	1226	---
Zinc	ppm	ASTM D5185m		<b>1511</b>	1553	---
Sulfur	ppm	ASTM D5185m		<b>3976</b>	3595	---
Visc @ 40°C	cSt	ASTM D445	55	<b>42.4</b>	41.7	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0009753  
**Lab Number** : 06221656  
**Unique Number** : 11099853  
**Test Package** : CONST

**Received** : 26 Jun 2024  
**Tested** : 27 Jun 2024  
**Diagnosed** : 27 Jun 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: