



# ASCENDUM

## OIL ANALYSIS REPORT



Area  
**[WO#21464]**  
 Machine Id  
**VOLVO L60H 623461**  
 Component  
**Front Axle**  
 Fluid  
**VOLVO AT 102 (--- QTS)**

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>ASC0004292</b>	ASC0006446	---
Sample Date		Client Info		<b>17 Apr 2024</b>	23 Feb 2024	---
Machine Age	hrs	Client Info		<b>1510</b>	1026	---
Oil Age	hrs	Client Info		<b>1026</b>	1026	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changed</b>	Changed	---
Filter Changed		Client Info		<b>Not Changed</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>19</b>	115	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	5	---
Nickel	ppm	ASTM D5185m	>10	<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	>30	<b>2</b>	2	---
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185m	>120	<b>&lt;1</b>	1	---
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	---
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

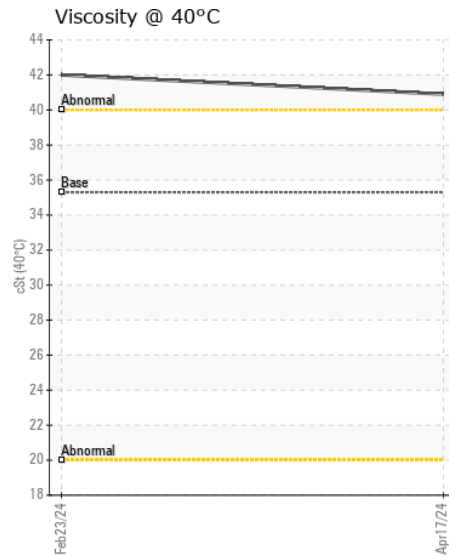
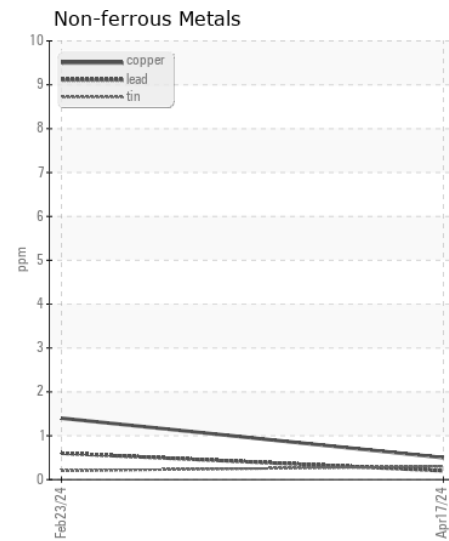
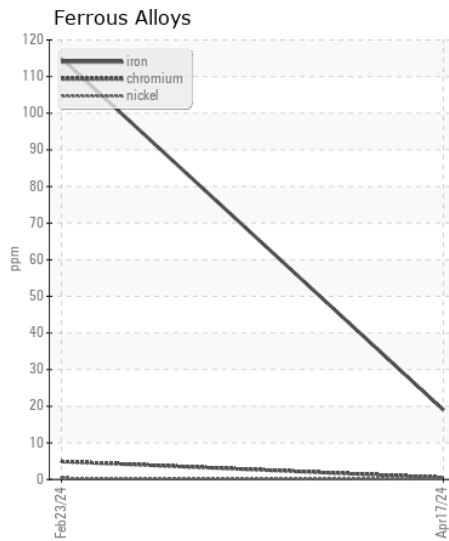
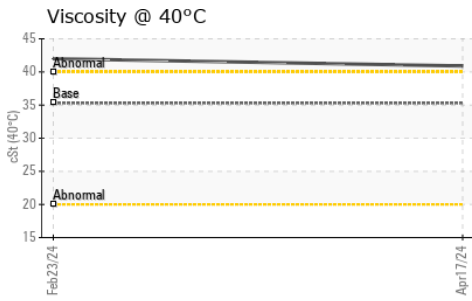
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>12</b>	17	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	---
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>0</b>	2	---
Boron	ppm	ASTM D5185m	187	<b>134</b>	126	---
Barium	ppm	ASTM D5185m	0.0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	0.0	<b>2</b>	4	---
Manganese	ppm	ASTM D5185m	0.0	<b>&lt;1</b>	7	---
Magnesium	ppm	ASTM D5185m	6.8	<b>13</b>	15	---
Calcium	ppm	ASTM D5185m	215	<b>3278</b>	3802	---
Phosphorus	ppm	ASTM D5185m	445	<b>1048</b>	1313	---
Zinc	ppm	ASTM D5185m	56	<b>1296</b>	1627	---
Sulfur	ppm	ASTM D5185m	1336	<b>3490</b>	3217	---
Visc @ 40°C	cSt	ASTM D445	35.3	<b>40.9</b>	42.0	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0004292  
**Lab Number** : 06155322  
**Unique Number** : 10990745  
**Test Package** : CONST

**Received** : 19 Apr 2024  
**Tested** : 24 Apr 2024  
**Diagnosed** : 24 Apr 2024 - Sean Felton

**520 - ASCENDUM MACHINERY INC - KNOXVILLE**  
 5730 RUTLEDGE PIKE  
 KNOXVILLE, TN  
 US 37924

Contact: BRANDON GRANT  
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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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