



# ASCENDUM

## OIL ANALYSIS REPORT



Area

**Ascendum Machinery/500 Hour CSA**

Machine Id

**VOLVO L150H 2254 (S/N L150HV7087)**

Component

**Transmission (Auto)**

Fluid

**VOLVO AT 102 (--- GAL)**

WEAR  
CONTAMINATION  
FLUID CONDITION

**NORMAL**

**NORMAL**

**NORMAL**

### 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 fluid.

### FLUID CONDITION

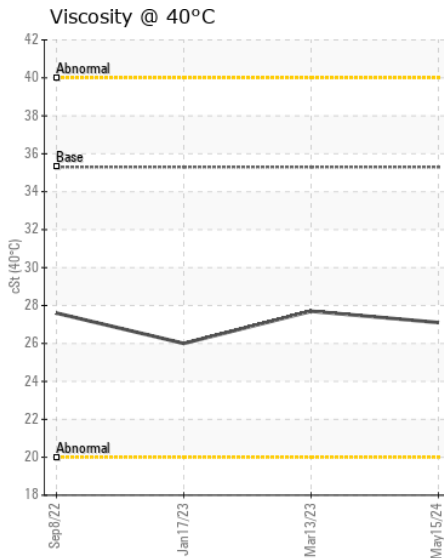
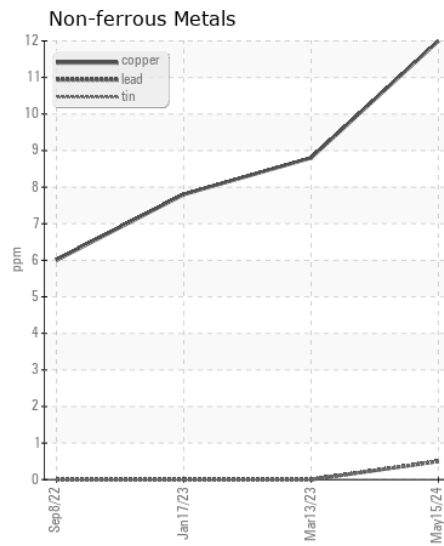
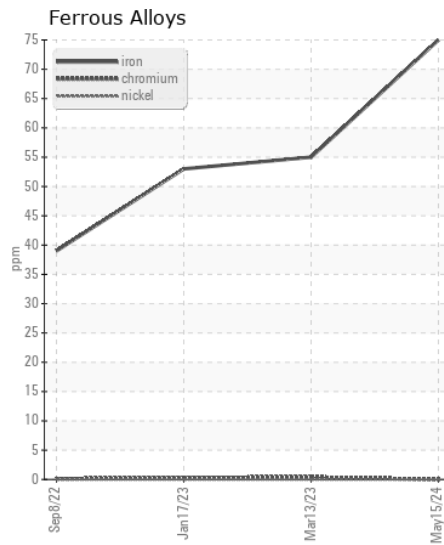
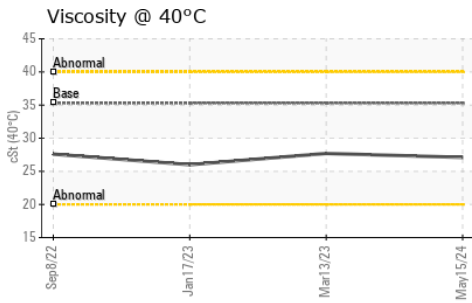
The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ASC0011431</b>	VCP393002	VCP398722
Sample Date		Client Info		<b>15 May 2024</b>	13 Mar 2023	17 Jan 2023
Machine Age	hrs	Client Info		<b>5003</b>	2670	2158
Oil Age	hrs	Client Info		<b>1003</b>	512	0
Filter Age	hrs	Client Info		<b>1003</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

Iron	ppm	ASTM D5185m	>300	<b>75</b>	55	53
Chromium	ppm	ASTM D5185m	>3	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	0
Lead	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>25	<b>12</b>	9	8
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185m	>20	<b>8</b>	7	6
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	0	0
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

Sodium	ppm	ASTM D5185m		<b>5</b>	5	4
Boron	ppm	ASTM D5185m	187	<b>75</b>	69	70
Barium	ppm	ASTM D5185m	0.0	<b>2</b>	0	0
Molybdenum	ppm	ASTM D5185m	0.0	<b>&lt;1</b>	<1	0
Manganese	ppm	ASTM D5185m	0.0	<b>4</b>	4	3
Magnesium	ppm	ASTM D5185m	6.8	<b>0</b>	4	<1
Calcium	ppm	ASTM D5185m	215	<b>71</b>	69	65
Phosphorus	ppm	ASTM D5185m	445	<b>196</b>	179	179
Zinc	ppm	ASTM D5185m	56	<b>8</b>	7	0
Sulfur	ppm	ASTM D5185m	1336	<b>1982</b>	1711	1630
Visc @ 40°C	cSt	ASTM D445	35.3	<b>27.1</b>	27.7	26.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : ASC0011431

**Lab Number** : 06186598

**Unique Number** : 11043350

**Test Package** : CONST

**Received** : 21 May 2024

**Tested** : 22 May 2024

**Diagnosed** : 23 May 2024 - Jonathan Hester

**G S MATERIALS INC**

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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)