



# ASCENDUM

## OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area

**Ascendum Machinery**

Machine Id

**VOLVO L150H 6871**

Component

**Transmission (Auto)**

Fluid

**VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ASC0007334</b>	ASC0000338	VCP0000400
Sample Date		Client Info		<b>17 Apr 2024</b>	20 Jul 2023	31 Jan 2022
Machine Age	hrs	Client Info		<b>9485</b>	8018	5007
Oil Age	hrs	Client Info		<b>1467</b>	5069	966
Filter Age	hrs	Client Info		<b>0</b>	5069	0
Oil Changed		Client Info		<b>Not Changed</b>	Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>300	<b>76</b>	173	106
Chromium	ppm	ASTM D5185m	>3	<b>&lt;1</b>	1	<1
Nickel	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>5	<b>0</b>	2	2
Lead	ppm	ASTM D5185m	>3	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>25	<b>4</b>	8	6
Tin	ppm	ASTM D5185m	>4	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

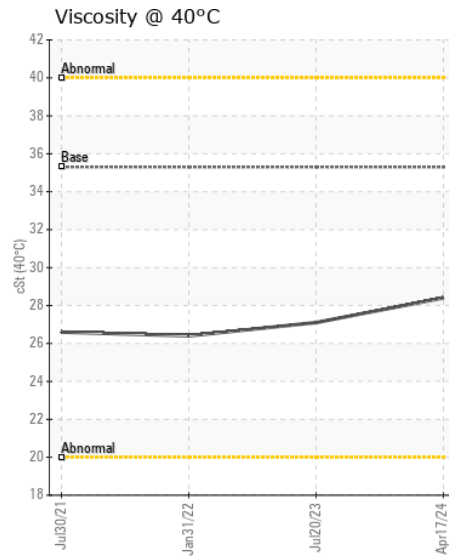
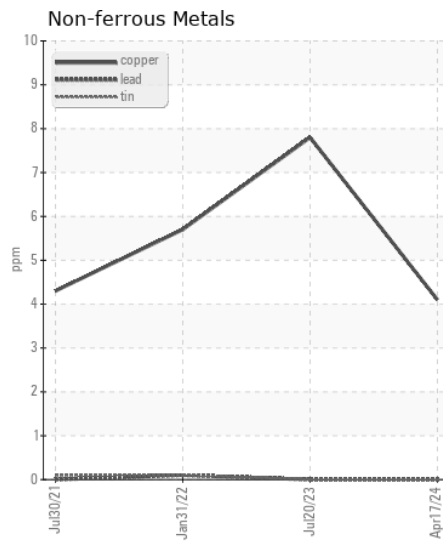
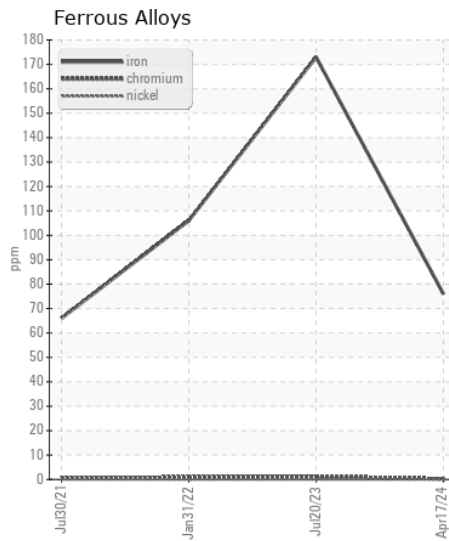
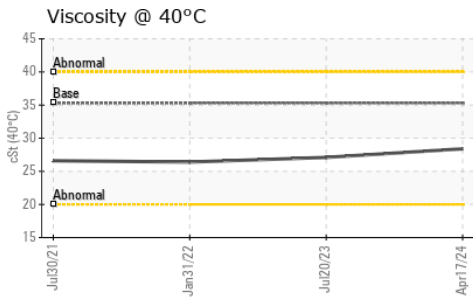
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>3</b>	5	7
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	<1
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

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>1</b>	2	0
Boron	ppm	ASTM D5185m	187	<b>84</b>	65	67
Barium	ppm	ASTM D5185m	0.0	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m	0.0	<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m	0.0	<b>2</b>	4	3
Magnesium	ppm	ASTM D5185m	6.8	<b>1</b>	<1	<1
Calcium	ppm	ASTM D5185m	215	<b>95</b>	90	96
Phosphorus	ppm	ASTM D5185m	445	<b>209</b>	165	193
Zinc	ppm	ASTM D5185m	56	<b>13</b>	6	4
Sulfur	ppm	ASTM D5185m	1336	<b>2361</b>	2144	1939
Visc @ 40°C	cSt	ASTM D445	35.3	<b>28.4</b>	27.1	26.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0007334  
**Lab Number** : 06158152  
**Unique Number** : 10993575  
**Test Package** : CONST  
**Received** : 23 Apr 2024  
**Tested** : 24 Apr 2024  
**Diagnosed** : 25 Apr 2024 - Jonathan Hester

**PALLET ONE**  
 1032 WILKINS RD  
 BUTNER, NC  
 US 27509  
 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: