



# ASCENDUM

## OIL ANALYSIS REPORT

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



Area  
**(7365) Ascendum Machinery/500 Hour CSA**  
Machine Id  
**VOLVO L150H 2347 (S/N L150HV7265)**  
Component  
**Rear Axle**  
Fluid  
**TRANSAXLE OIL SAE 75W80 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) TRANSAXLE OIL SAE 75W80. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ASC0010075</b>	ASC0008857	ASC0006341
Sample Date		Client Info		<b>17 Apr 2024</b>	29 Feb 2024	24 Jan 2024
Machine Age	hrs	Client Info		<b>2485</b>	2032	1631
Oil Age	hrs	Client Info		<b>1485</b>	1000	631
Filter Age	hrs	Client Info		<b>1485</b>	2023	631
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>7</b>	40	3
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>30	<b>1</b>	<1	2
Lead	ppm	ASTM D5185m	>50	<b>0</b>	3	0
Copper	ppm	ASTM D5185m	>120	<b>0</b>	2	<1
Tin	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

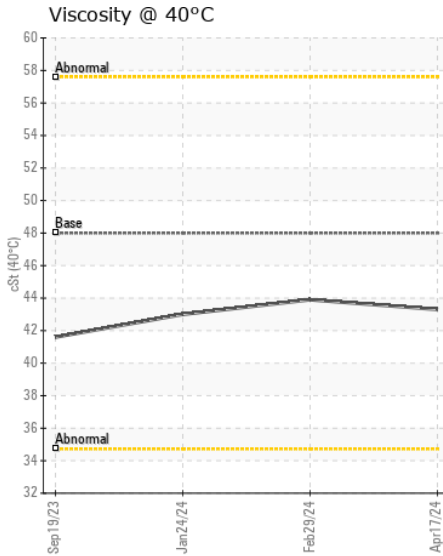
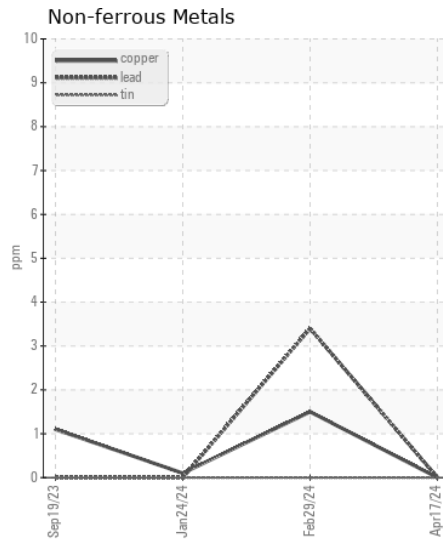
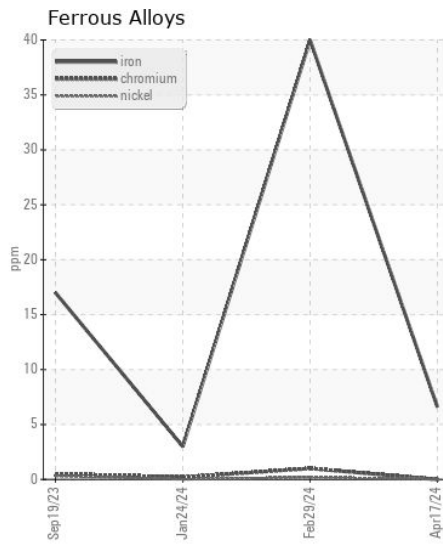
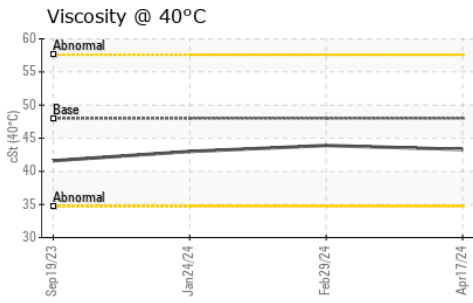
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>12</b>	10	11
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	2
Water		WC Method	>0.2	<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	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	3	0
Boron	ppm	ASTM D5185m	160	<b>138</b>	121	136
Barium	ppm	ASTM D5185m	10	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m	25	<b>0</b>	1	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	2	0
Magnesium	ppm	ASTM D5185m	12	<b>19</b>	9	18
Calcium	ppm	ASTM D5185m	3750	<b>4145</b>	3579	3924
Phosphorus	ppm	ASTM D5185m	1200	<b>1353</b>	1249	1281
Zinc	ppm	ASTM D5185m	1500	<b>1674</b>	1445	1627
Sulfur	ppm	ASTM D5185m	6000	<b>5135</b>	4089	4442
Visc @ 40°C	cSt	ASTM D445	48	<b>43.3</b>	43.9	43.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0010075  
**Lab Number** : 06158129  
**Unique Number** : 10993552  
**Test Package** : CONST  
**Received** : 23 Apr 2024  
**Tested** : 24 Apr 2024  
**Diagnosed** : 24 Apr 2024 - Wes Davis

**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)