



# ASCENDUM

## OIL ANALYSIS REPORT



Area  
**Ascendum Machinery**  
 Machine Id  
**VOLVO L150H 4680**  
 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>ASC0007113</b>	VCP0005335	VCP309893
Sample Date		Client Info		<b>15 Apr 2024</b>	06 Mar 2023	27 May 2021
Machine Age	hrs	Client Info		<b>9008</b>	8007	6502
Oil Age	hrs	Client Info		<b>1001</b>	1505	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Chngd</b>	Changed	Changed
Filter Changed		Client Info		<b>None</b>	N/A	Not Chngd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>14</b>	28	157
Chromium	ppm	ASTM D5185m	>20	<b>2</b>	<1	3
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>30	<b>2</b>	2	2
Lead	ppm	ASTM D5185m	>50	<b>2</b>	<1	<1
Copper	ppm	ASTM D5185m	>120	<b>2</b>	<1	<1
Tin	ppm	ASTM D5185m	>20	<b>1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

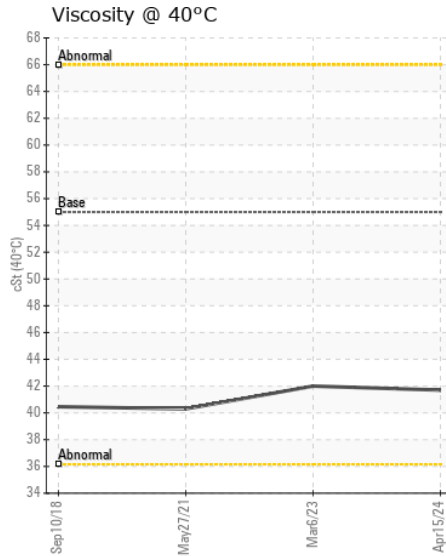
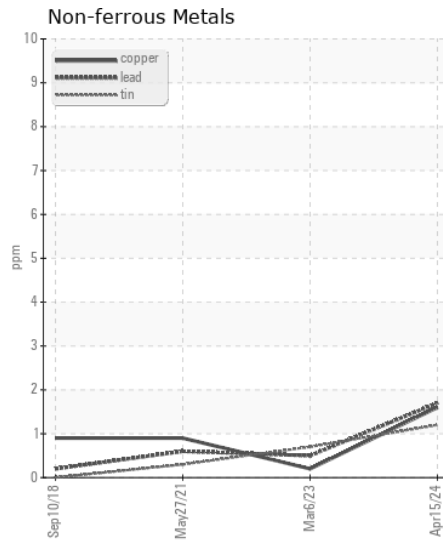
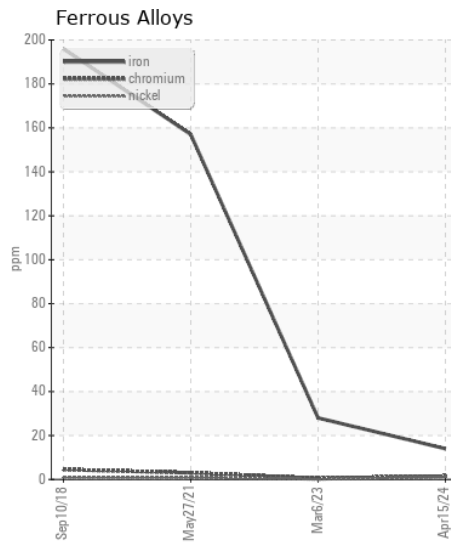
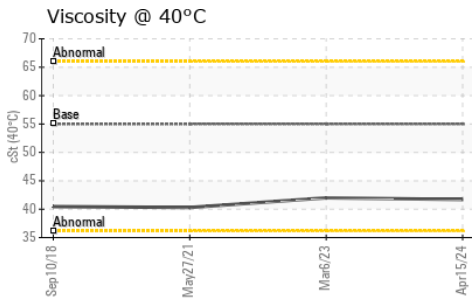
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>11</b>	11	14
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	<1	<1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</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>1</b>	8	3
Boron	ppm	ASTM D5185m		<b>75</b>	109	141
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>2</b>	<1	2
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	6
Magnesium	ppm	ASTM D5185m		<b>10</b>	17	14
Calcium	ppm	ASTM D5185m		<b>2189</b>	3499	4237
Phosphorus	ppm	ASTM D5185m		<b>860</b>	1201	1349
Zinc	ppm	ASTM D5185m		<b>1011</b>	1480	1569
Sulfur	ppm	ASTM D5185m		<b>3638</b>	4590	3742
Visc @ 40°C	cSt	ASTM D445	55	<b>41.7</b>	42.0	40.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0007113  
**Lab Number** : 06152362  
**Unique Number** : 10982440  
**Test Package** : CONST  
**Received** : 17 Apr 2024  
**Tested** : 18 Apr 2024  
**Diagnosed** : 22 Apr 2024 - Sean Felton

**HUDSON PAVING**  
 120 YATES HILL RD  
 ROCKINGHAM, NC  
 US 28379  
 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)

T:  
F: