



# ASCENDUM

## OIL ANALYSIS REPORT



Area  
**Ascendum Machinery**  
 Machine Id  
**VOLVO L180H 43 (S/N 5598)**  
 Component  
**Transmission (Auto)**  
 Fluid  
**VOLVO AT 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>ASC0009822</b>	ASC0001675	ASC0001648
Sample Date		Client Info		<b>14 Jun 2024</b>	16 Apr 2024	25 Jan 2024
Machine Age	hrs	Client Info		<b>7507</b>	7050	6459
Oil Age	hrs	Client Info		<b>4496</b>	4630	4458
Filter Age	hrs	Client Info		<b>0</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

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	<b>39</b>	34	33
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>50	<b>1</b>	0	2
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>225	<b>10</b>	8	8
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</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

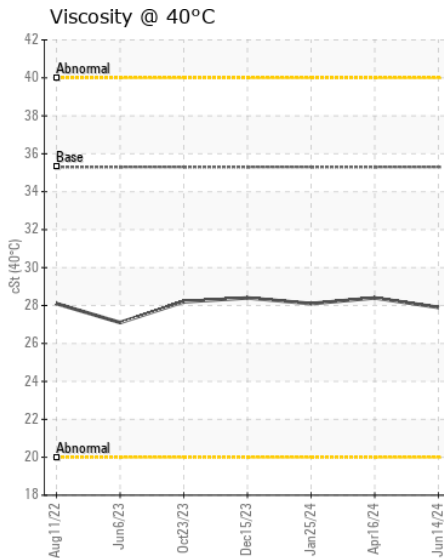
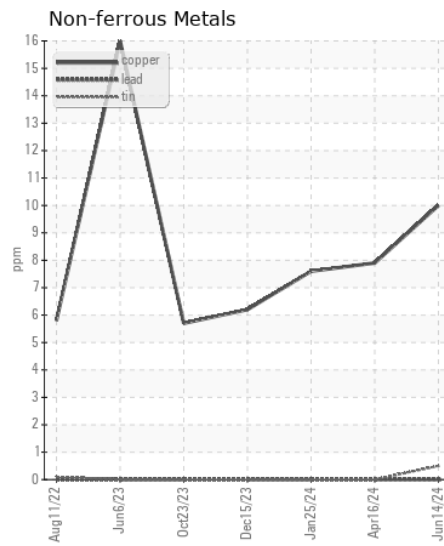
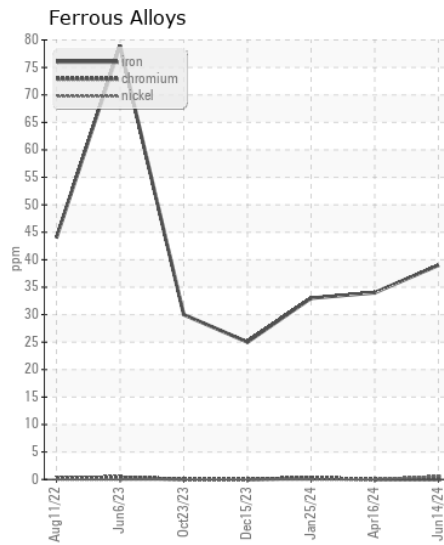
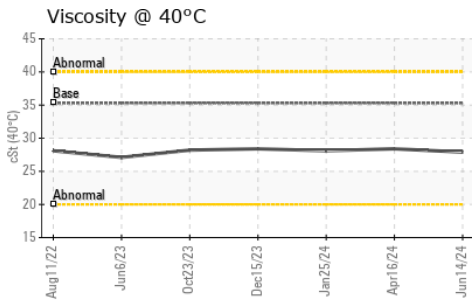
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>7</b>	5	5
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	0	2
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 fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>4</b>	2	0
Boron	ppm	ASTM D5185m	187	<b>76</b>	78	86
Barium	ppm	ASTM D5185m	0.0	<b>&lt;1</b>	1	<1
Molybdenum	ppm	ASTM D5185m	0.0	<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m	0.0	<b>2</b>	<1	<1
Magnesium	ppm	ASTM D5185m	6.8	<b>2</b>	22	2
Calcium	ppm	ASTM D5185m	215	<b>78</b>	101	75
Phosphorus	ppm	ASTM D5185m	445	<b>221</b>	215	178
Zinc	ppm	ASTM D5185m	56	<b>10</b>	41	0
Sulfur	ppm	ASTM D5185m	1336	<b>2208</b>	2168	2039
Visc @ 40°C	cSt	ASTM D445	35.3	<b>27.9</b>	28.4	28.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0009822  
**Lab Number** : 06213944  
**Unique Number** : 11086808  
**Test Package** : CONST  
**Received** : 18 Jun 2024  
**Tested** : 19 Jun 2024  
**Diagnosed** : 20 Jun 2024 - Don Baldrige

**EGGER WOOD PRODUCTS**  
 300 EGGER PARKWAY  
 LINWOOD, NC  
 US 27299  
 Contact: HELMUT THOMAY  
 helmut.thomay@egger.com

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: