



# ASCENDUM

## OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO L60H 622196**

Component  
**Transmission**

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

### RECOMMENDATION

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0004984	---	---
Sample Date		Client Info		03 May 2024	---	---
Machine Age	hrs	Client Info		6070	---	---
Oil Age	hrs	Client Info		2000	---	---
Filter Age	hrs	Client Info		2000	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				SEVERE	---	---

### WEAR

The iron level is severe.

Iron	ppm	ASTM D5185m	>100	▲ 377	---	---
Chromium	ppm	ASTM D5185m	>20	<1	---	---
Nickel	ppm	ASTM D5185m	>10	0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>30	5	---	---
Lead	ppm	ASTM D5185m	>50	<1	---	---
Copper	ppm	ASTM D5185m	>50	5	---	---
Tin	ppm	ASTM D5185m	>20	0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

### CONTAMINATION

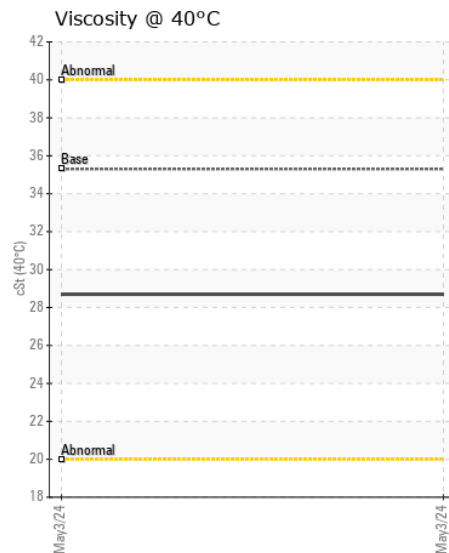
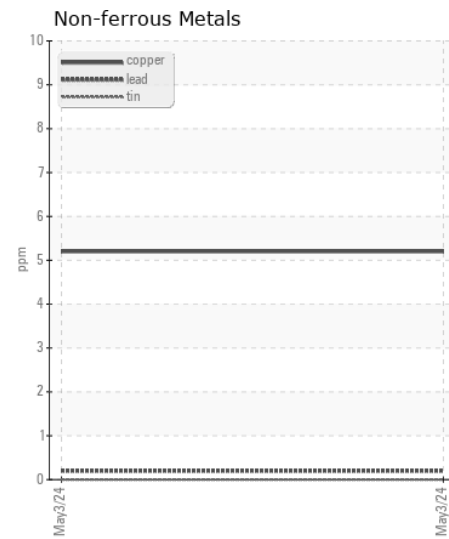
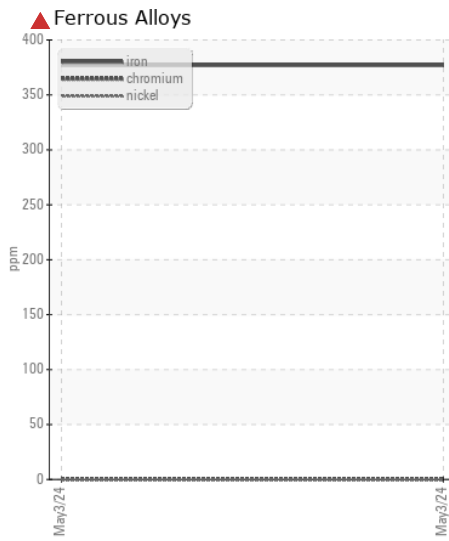
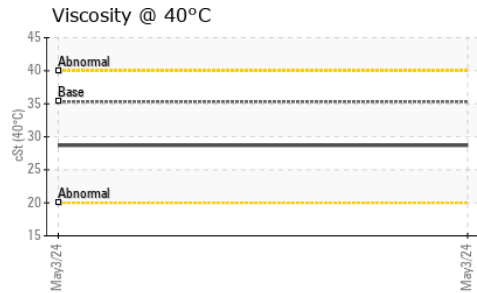
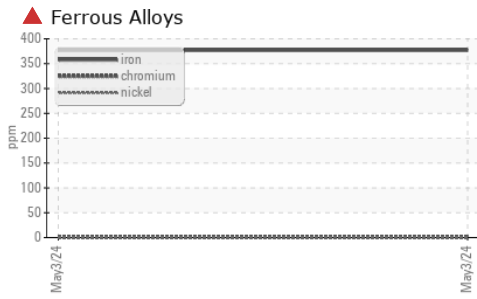
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>50	8	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water		WC Method	>0.2	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---	---

### FLUID CONDITION

The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185m		5	---	---
Boron	ppm	ASTM D5185m	187	60	---	---
Barium	ppm	ASTM D5185m	0.0	0	---	---
Molybdenum	ppm	ASTM D5185m	0.0	0	---	---
Manganese	ppm	ASTM D5185m	0.0	6	---	---
Magnesium	ppm	ASTM D5185m	6.8	4	---	---
Calcium	ppm	ASTM D5185m	215	94	---	---
Phosphorus	ppm	ASTM D5185m	445	199	---	---
Zinc	ppm	ASTM D5185m	56	37	---	---
Sulfur	ppm	ASTM D5185m	1336	2035	---	---
Visc @ 40°C	cSt	ASTM D445	35.3	28.7	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0004984  
**Lab Number** : 06175957  
**Unique Number** : 11022010  
**Test Package** : CONST

**Received** : 10 May 2024  
**Tested** : 12 May 2024  
**Diagnosed** : 15 May 2024 - Sean Felton

**365 - ASCENDUM MACHINERY INC - SAVANNAH**  
 54 MEDLINE DR  
 RICHMOND HILL, GA  
 US 31324  
 Contact: JESSE WILSON  
 jesse.wilson@ascendummachinery.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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