



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO L90H 626448
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		ASC0004953	VCP418491	---
Sample Date		Client Info		07 May 2024	12 Feb 2024	---
Machine Age	hrs	Client Info		3011	2519	---
Oil Age	hrs	Client Info		3011	0	---
Filter Age	hrs	Client Info		2000	0	---
Oil Changed		Client Info		Not Changed	Not Changed	---
Filter Changed		Client Info		Changed	Not Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	3	123	---
Chromium	ppm	ASTM D5185m	>5	<1	1	---
Nickel	ppm	ASTM D5185m	>5	0	1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m	>5	0	<1	---
Aluminum	ppm	ASTM D5185m	>50	0	<1	---
Lead	ppm	ASTM D5185m	>50	0	<1	---
Copper	ppm	ASTM D5185m	>225	0	12	---
Tin	ppm	ASTM D5185m	>10	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

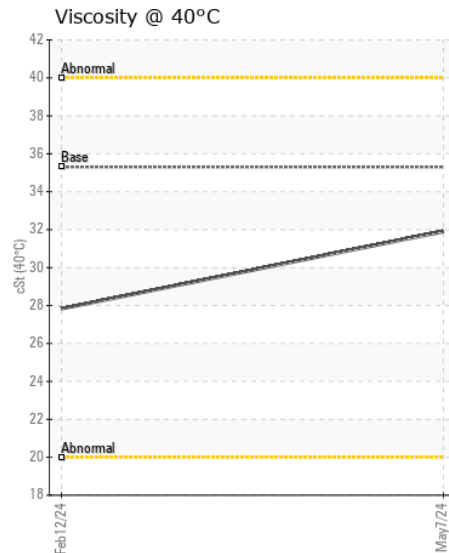
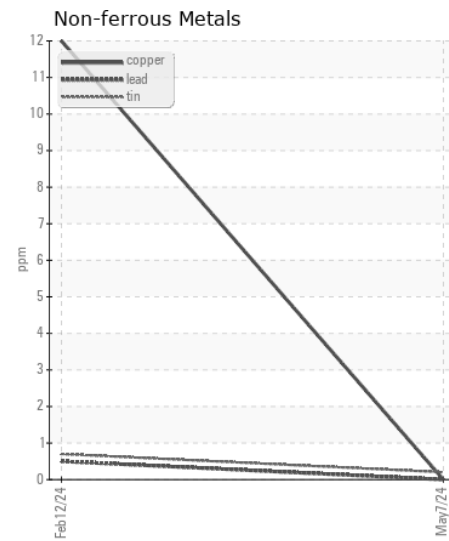
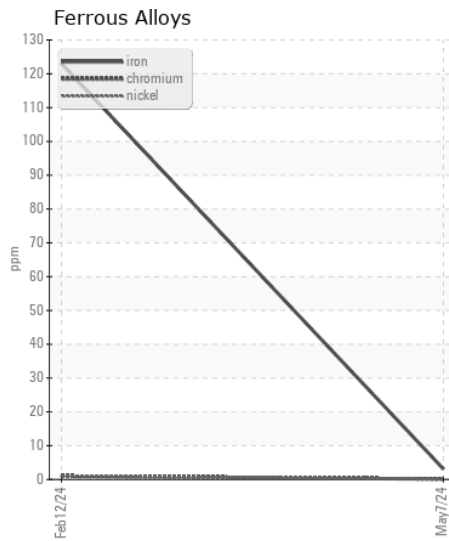
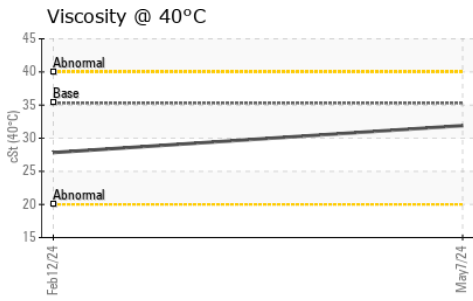
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	3	11	---
Potassium	ppm	ASTM D5185m	>20	0	3	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	0.2%	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	2	---
Boron	ppm	ASTM D5185m	187	101	59	---
Barium	ppm	ASTM D5185m	0.0	1	7	---
Molybdenum	ppm	ASTM D5185m	0.0	0	1	---
Manganese	ppm	ASTM D5185m	0.0	0	11	---
Magnesium	ppm	ASTM D5185m	6.8	4	1	---
Calcium	ppm	ASTM D5185m	215	79	67	---
Phosphorus	ppm	ASTM D5185m	445	212	149	---
Zinc	ppm	ASTM D5185m	56	7	44	---
Sulfur	ppm	ASTM D5185m	1336	2366	3108	---
Visc @ 40°C	cSt	ASTM D445	35.3	31.9	27.83	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0004953
Lab Number : 06177620
Unique Number : 11023673
Test Package : CONST

Received : 13 May 2024
Tested : 14 May 2024
Diagnosed : 15 May 2024 - Don Baldrige

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)

T:
 F: (912)964-9515