



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[5520DR KINSLEY]
Machine Id
VOLVO A40E 13563
Component
Transmission (Auto)
Fluid
VOLVO AT 102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the fluid.

FLUID CONDITION

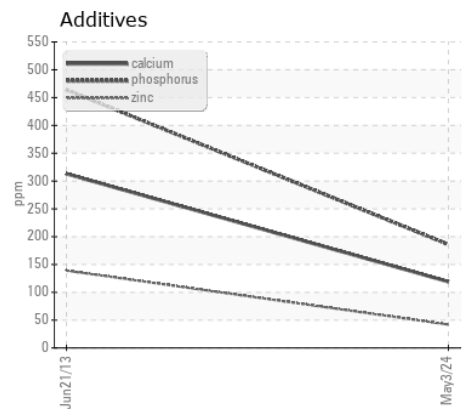
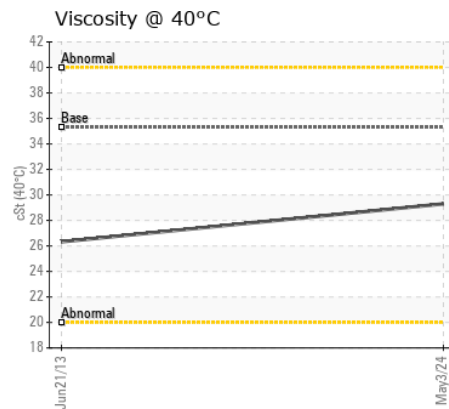
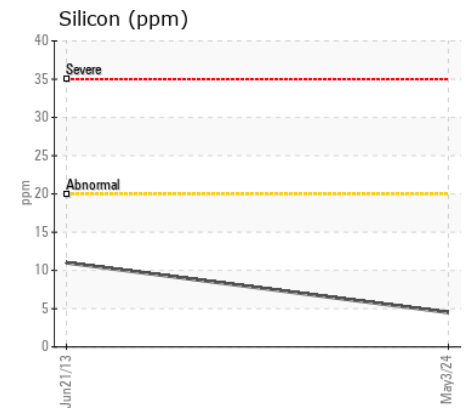
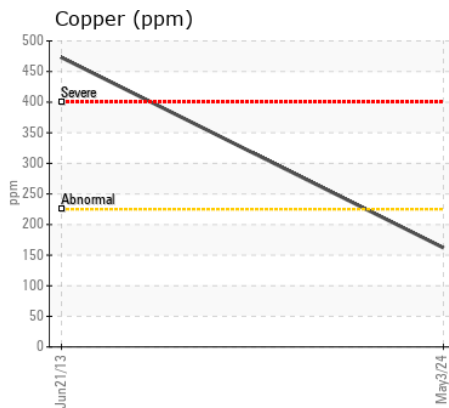
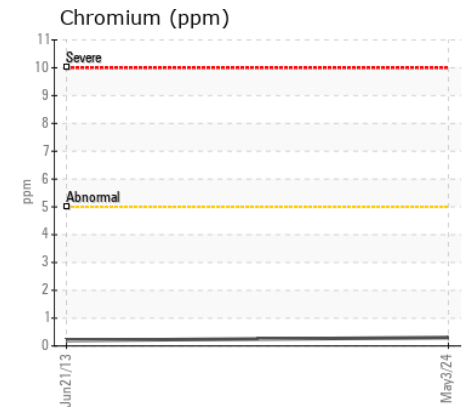
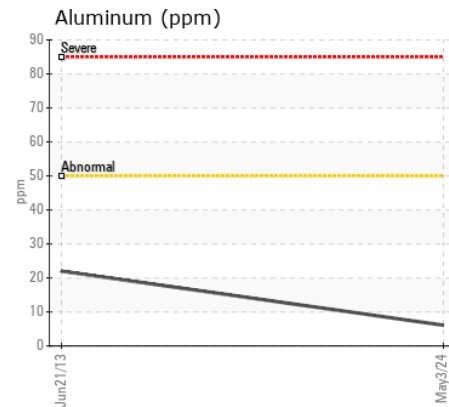
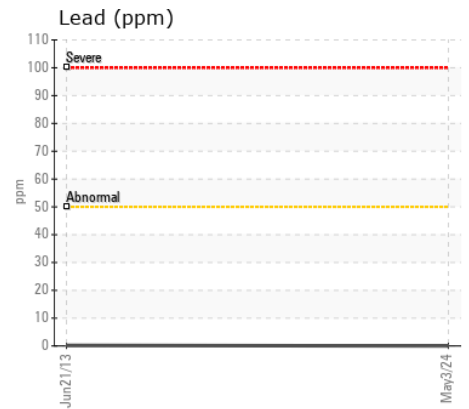
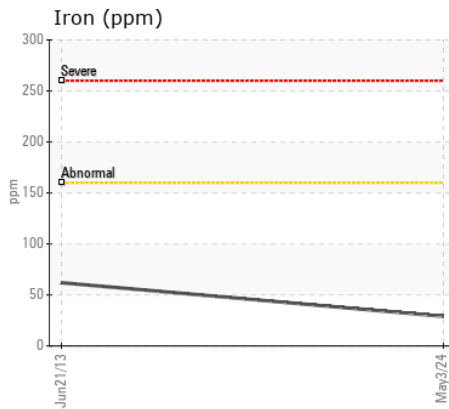
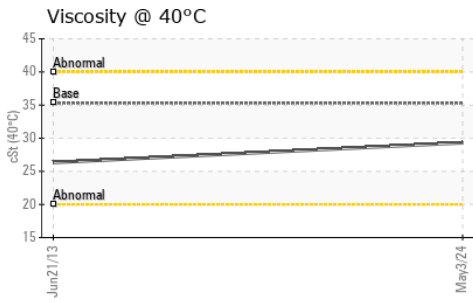
The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP431946	VCP117971	---
Sample Date		Client Info		03 May 2024	21 Jun 2013	---
Machine Age	hrs	Client Info		13358	2149	---
Oil Age	hrs	Client Info		1000	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	ABNORMAL	---

Iron	ppm	ASTM D5185m	>160	29	62	---
Chromium	ppm	ASTM D5185m	>5	<1	<1	---
Nickel	ppm	ASTM D5185m	>5	<1	1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>5	0	0	---
Aluminum	ppm	ASTM D5185m	>50	6	22	---
Lead	ppm	ASTM D5185m	>50	0	<1	---
Copper	ppm	ASTM D5185m	>225	162	▲ 473	---
Tin	ppm	ASTM D5185m	>10	9	24	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

Silicon	ppm	ASTM D5185m	>20	4	11	---
Potassium	ppm	ASTM D5185m	>20	5	<1	---
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	▲ 0.1%	---

Sodium	ppm	ASTM D5185m		2	7	---
Boron	ppm	ASTM D5185m	187	72	84	---
Barium	ppm	ASTM D5185m	0.0	0	0	---
Molybdenum	ppm	ASTM D5185m	0.0	<1	<1	---
Manganese	ppm	ASTM D5185m	0.0	<1	2	---
Magnesium	ppm	ASTM D5185m	6.8	11	34	---
Calcium	ppm	ASTM D5185m	215	119	313	---
Phosphorus	ppm	ASTM D5185m	445	186	464	---
Zinc	ppm	ASTM D5185m	56	42	139	---
Sulfur	ppm	ASTM D5185m	1336	2095	1800	---
Visc @ 40°C	cSt	ASTM D445	35.3	29.3	26.33	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP431946 **Received** : 09 May 2024
Lab Number : 06174435 **Tested** : 10 May 2024
Unique Number : 11020488 **Diagnosed** : 10 May 2024 - Wes Davis
Test Package : MOB 1

HIGHWAY EQUIPMENT & SUPPLY CO
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 DRUMS, PA
 US 18222

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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)