



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area

[SWO-071952]

Machine Id

VOLVO A45G 352969

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		VCP439683	VCP446714	VCP414808
Sample Date		Client Info		23 May 2024	27 Feb 2024	20 Dec 2023
Machine Age	hrs	Client Info		3944	3453	2980
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	32	25	17
Chromium	ppm	ASTM D5185m	>5	0	0	1
Nickel	ppm	ASTM D5185m	>5	2	1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	16	12	5
Lead	ppm	ASTM D5185m	>50	0	2	0
Copper	ppm	ASTM D5185m	>225	12	9	4
Tin	ppm	ASTM D5185m	>10	2	1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

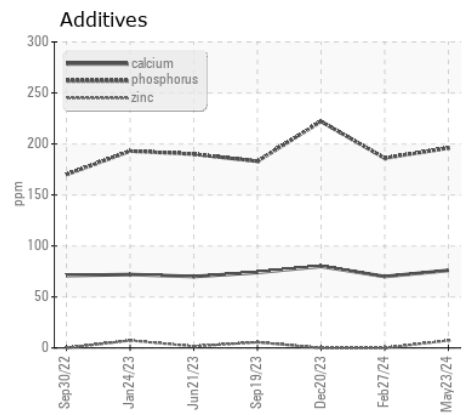
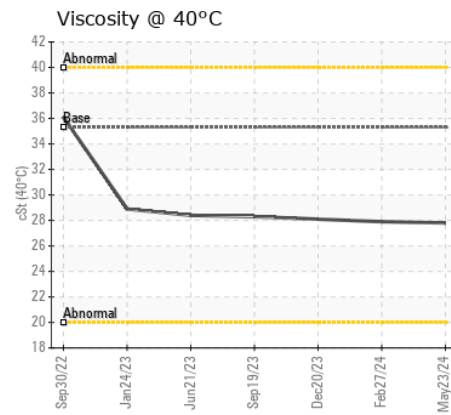
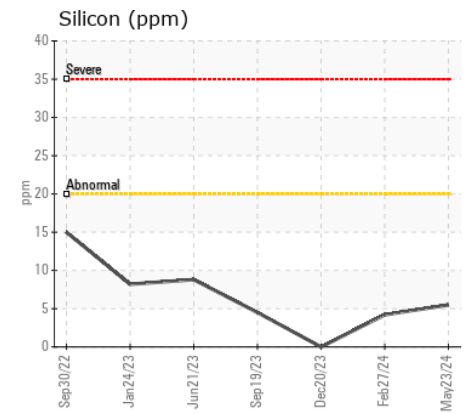
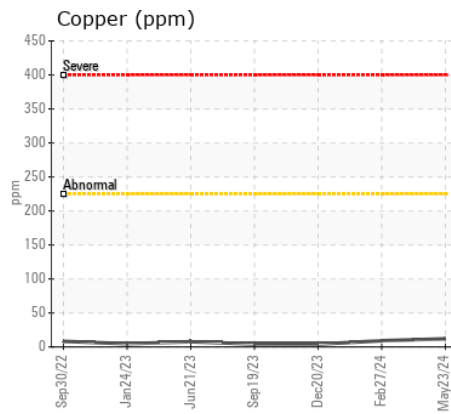
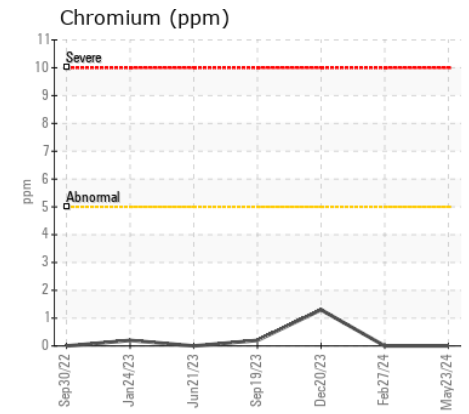
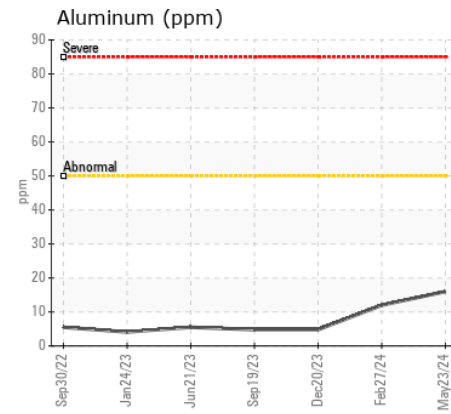
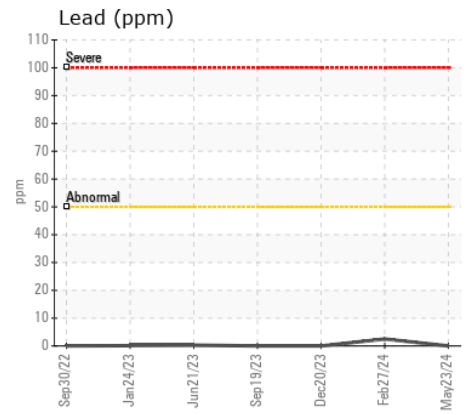
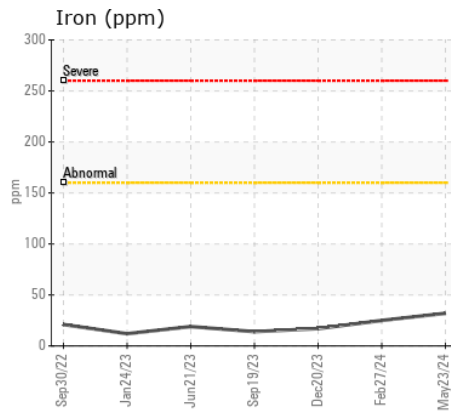
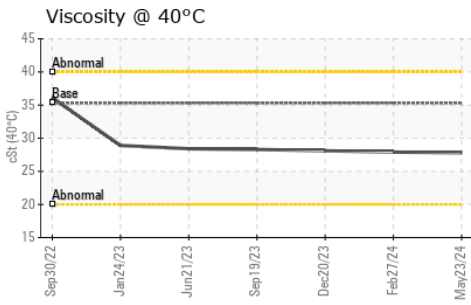
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	6	4	0
Potassium	ppm	ASTM D5185m	>20	3	<1	0
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		5	4	0
Boron	ppm	ASTM D5185m	187	86	83	96
Barium	ppm	ASTM D5185m	0.0	0	0	4
Molybdenum	ppm	ASTM D5185m	0.0	<1	0	0
Manganese	ppm	ASTM D5185m	0.0	1	<1	0
Magnesium	ppm	ASTM D5185m	6.8	1	1	0
Calcium	ppm	ASTM D5185m	215	76	70	80
Phosphorus	ppm	ASTM D5185m	445	196	186	222
Zinc	ppm	ASTM D5185m	56	7	0	0
Sulfur	ppm	ASTM D5185m	1336	2220	1892	2208
Visc @ 40°C	cSt	ASTM D445	35.3	27.8	27.9	28.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP439683
Lab Number : 06195834
Unique Number : 11057957
Test Package : MOB 1

Received : 30 May 2024
Tested : 31 May 2024
Diagnosed : 02 Jun 2024 - Don Baldrige

SAIIA CONSTRUCTION LLC
 4400 LEWISBURG RD
 BIRMINGHAM, AL
 US 35207

Contact: STEPHANI BRITTON
 sbritton@saiia.com; doug.bogart@wearcheck.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: (205)943-2268

F: (205)943-2269