



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO A45G 352973
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		VCP454876	VCP442562	VCP433868
Sample Date		Client Info		25 Jun 2024	07 Mar 2024	08 Nov 2023
Machine Age	hrs	Client Info		4536	4034	3521
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	14	38	28
Chromium	ppm	ASTM D5185m	>5	<1	0	<1
Nickel	ppm	ASTM D5185m	>5	2	2	2
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>5	<1	0	0
Aluminum	ppm	ASTM D5185m	>50	3	13	9
Lead	ppm	ASTM D5185m	>50	<1	0	0
Copper	ppm	ASTM D5185m	>225	18	18	12
Tin	ppm	ASTM D5185m	>10	2	2	1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

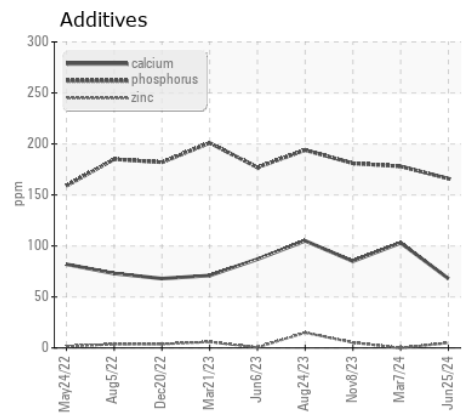
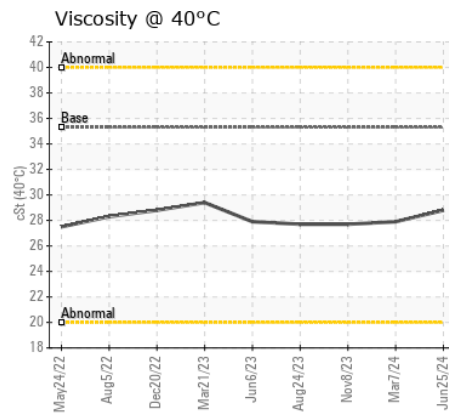
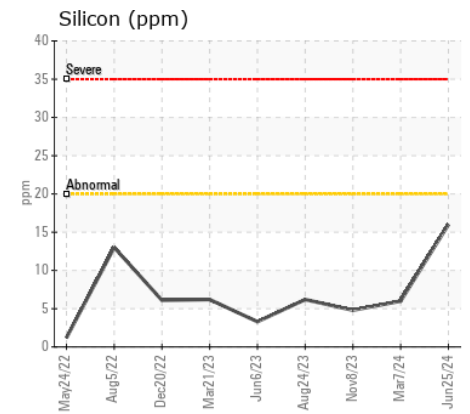
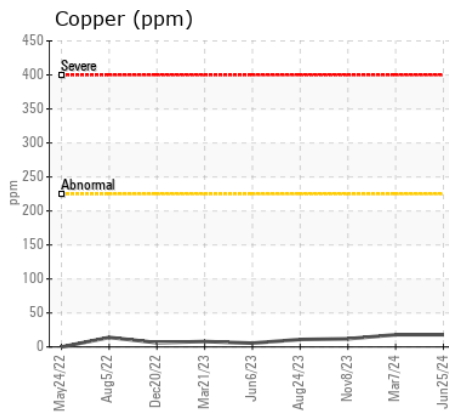
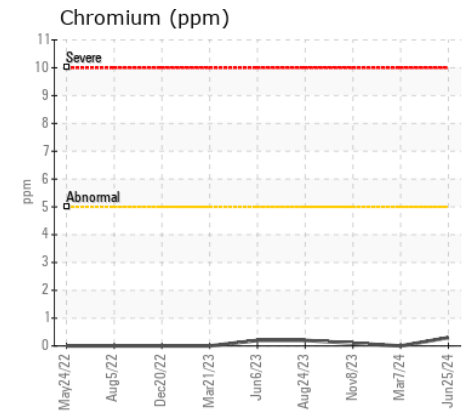
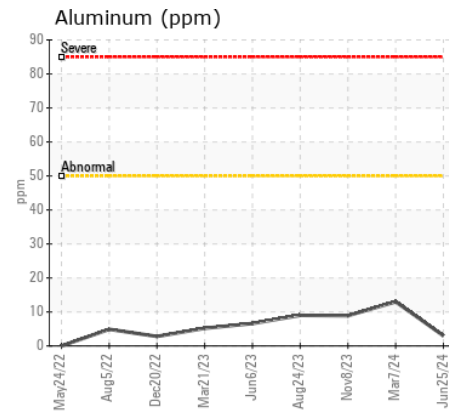
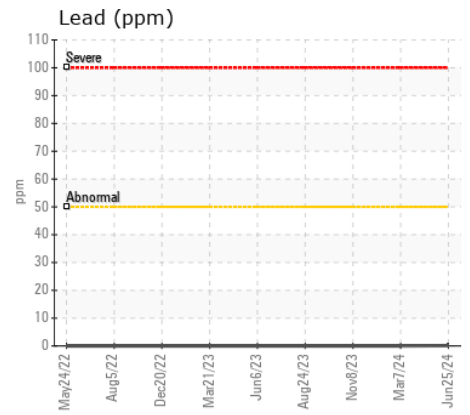
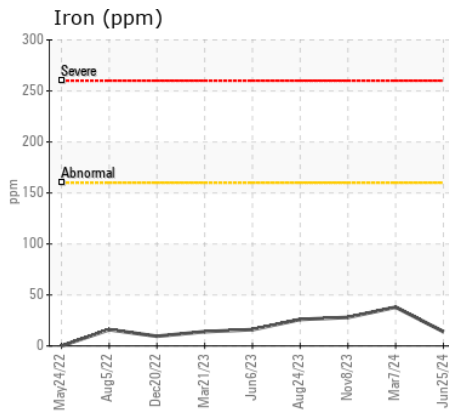
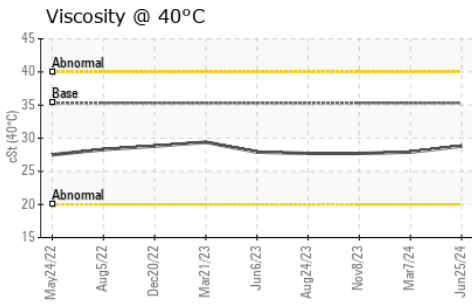
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	16	6	5
Potassium	ppm	ASTM D5185m	>20	6	0	<1
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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		3	4	4
Boron	ppm	ASTM D5185m	187	93	68	73
Barium	ppm	ASTM D5185m	0.0	<1	0	0
Molybdenum	ppm	ASTM D5185m	0.0	<1	0	0
Manganese	ppm	ASTM D5185m	0.0	2	1	1
Magnesium	ppm	ASTM D5185m	6.8	2	0	4
Calcium	ppm	ASTM D5185m	215	68	103	85
Phosphorus	ppm	ASTM D5185m	445	166	178	181
Zinc	ppm	ASTM D5185m	56	5	0	5
Sulfur	ppm	ASTM D5185m	1336	1833	2006	1806
Visc @ 40°C	cSt	ASTM D445	35.3	28.8	27.9	27.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : VCP454876

Lab Number : 06230675

Unique Number : 11114168

Test Package : MOB 1

Received : 08 Jul 2024

Tested : 09 Jul 2024

Diagnosed : 10 Jul 2024 - Jonathan Hester

SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD

BIRMINGHAM, AL

US 35207

Contact: STEPHANI BRITTON

sbritton@saiia.com;doug.bogart@wearcheck.com

T: (205)943-2268

F: (205)943-2269

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)