



VOLVO

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
[SW1028121 ODDONETTO]
Machine Id
VOLVO A40G 340471
Component
Transmission (Auto)
Fluid
VOLVO AT 102 (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP430700	VCP316317	VCP208255
Sample Date		Client Info		29 Dec 2023	15 Jul 2021	30 Aug 2017
Machine Age	hrs	Client Info		8301	7149	2317
Oil Age	hrs	Client Info		0	0	2317
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Chngd	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

Gear wear is indicated. Torque converter wear is indicated.

Iron	ppm	ASTM D5185m	>160	▲ 231	75	79
Chromium	ppm	ASTM D5185m	>5	1	<1	<1
Nickel	ppm	ASTM D5185m	>5	16	9	20
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	▲ 55	26	39
Lead	ppm	ASTM D5185m	>50	1	0	1
Copper	ppm	ASTM D5185m	>225	97	58	167
Tin	ppm	ASTM D5185m	>10	11	6	8
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

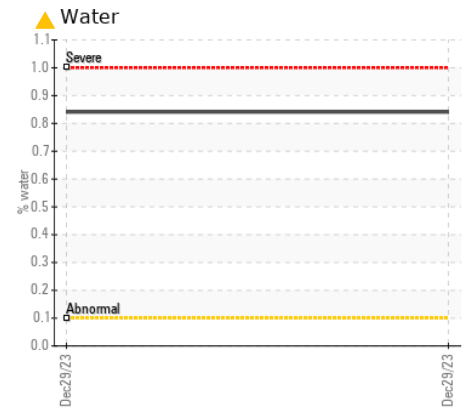
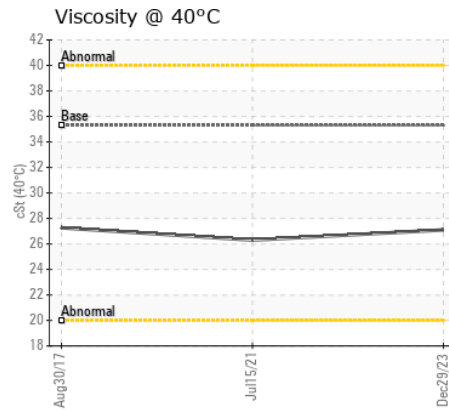
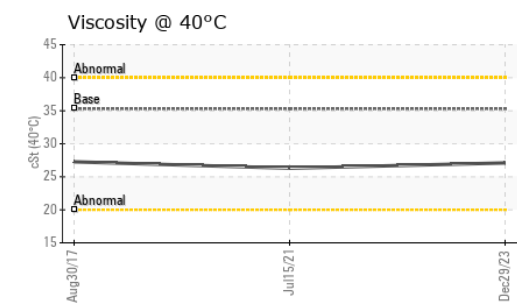
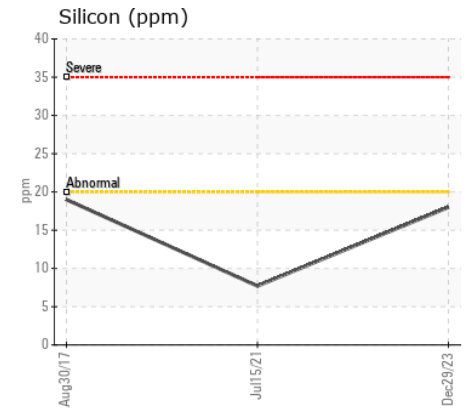
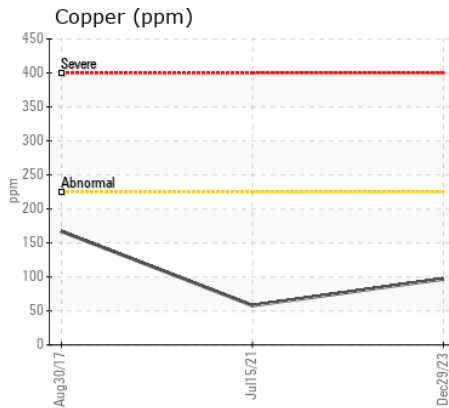
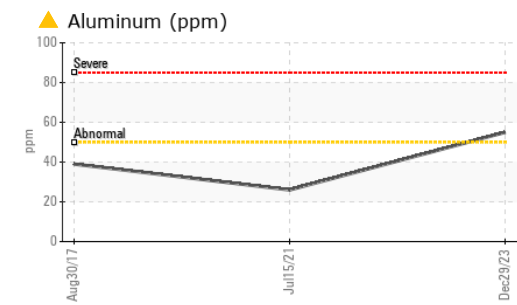
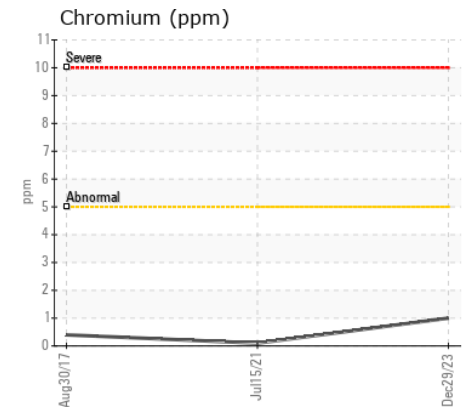
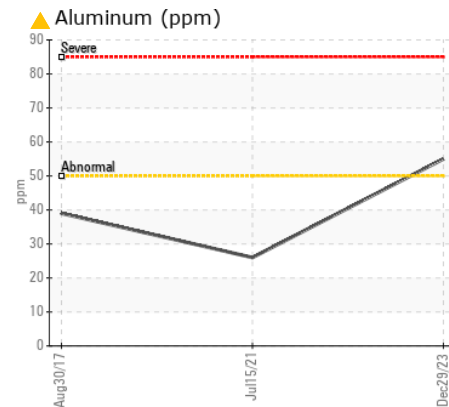
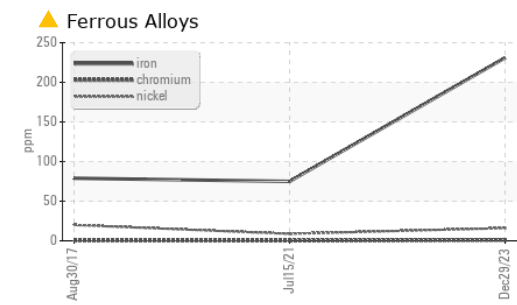
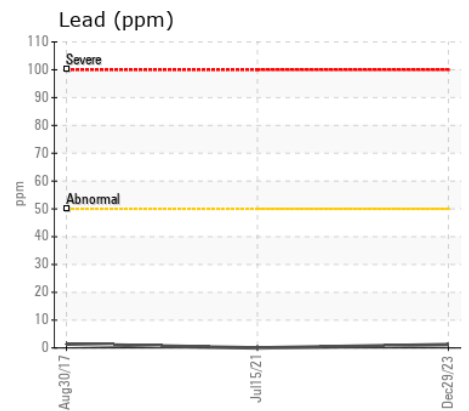
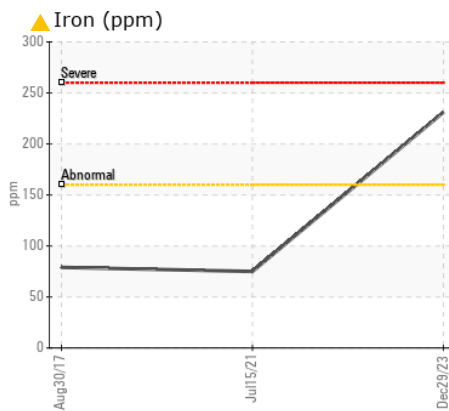
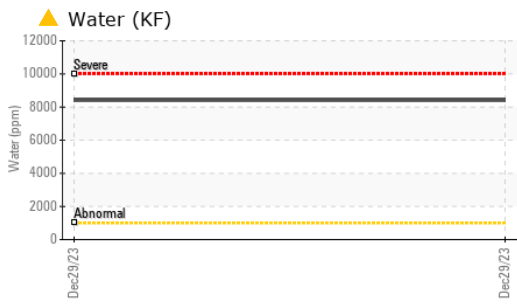
There is a high concentration of water present in the fluid.

Silicon	ppm	ASTM D5185m	>20	18	8	19
Potassium	ppm	ASTM D5185m	>20	6	1	4
Water	%	ASTM D6304	>0.1	▲ 0.841	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 8410	---	---
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	0.2%	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		15	5	7
Boron	ppm	ASTM D5185m	187	52	79	59
Barium	ppm	ASTM D5185m	0.0	0	0	<1
Molybdenum	ppm	ASTM D5185m	0.0	1	<1	<1
Manganese	ppm	ASTM D5185m	0.0	6	1	6
Magnesium	ppm	ASTM D5185m	6.8	10	4	4
Calcium	ppm	ASTM D5185m	215	110	92	129
Phosphorus	ppm	ASTM D5185m	445	203	161	187
Zinc	ppm	ASTM D5185m	56	186	12	20
Sulfur	ppm	ASTM D5185m	1336	2276	1854	1816
Visc @ 40°C	cSt	ASTM D445	35.3	27.1	26.3	27.27



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP430700 **Received** : 08 Jan 2024
Lab Number : 06054450 **Diagnosed** : 10 Jan 2024
Unique Number : 10820399 **Diagnostician** : Jonathan Hester
Test Package : MOB 1 (Additional Tests: KF)

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Certificate L2367
 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)