



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ATTENTION

Area

TMR-Sutton

Machine Id

364141 VOLVO L90G 617047

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. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

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

FLUID CONDITION

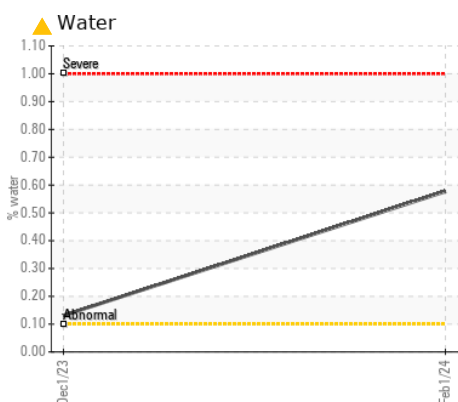
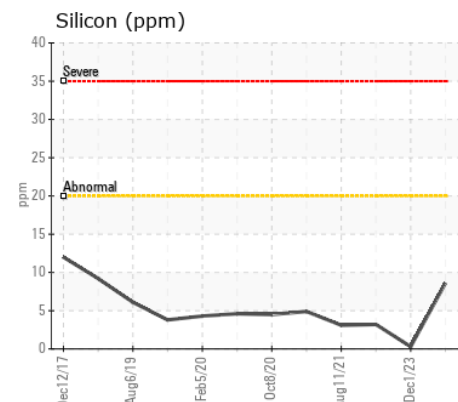
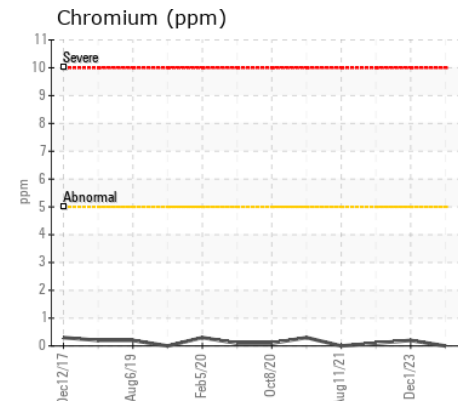
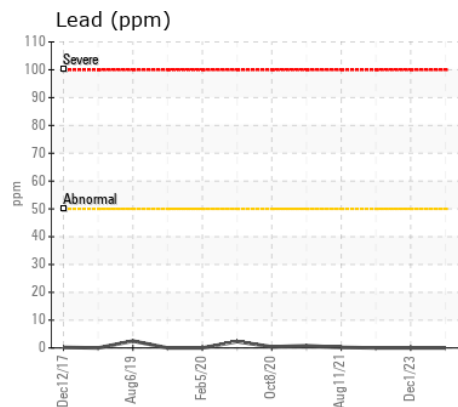
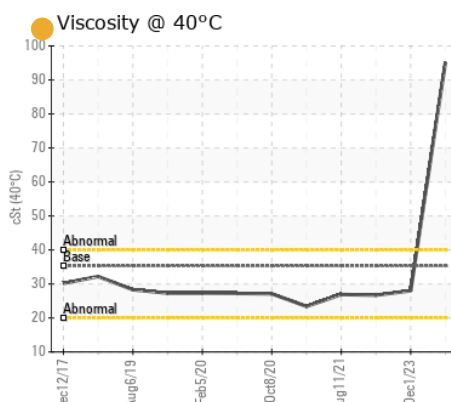
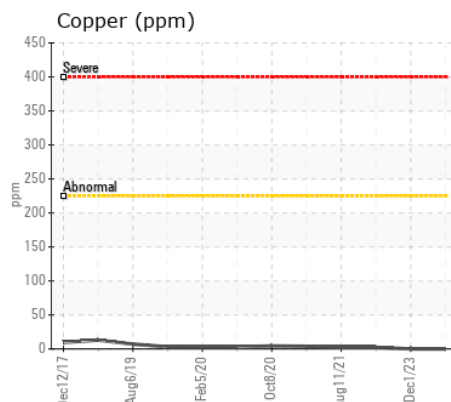
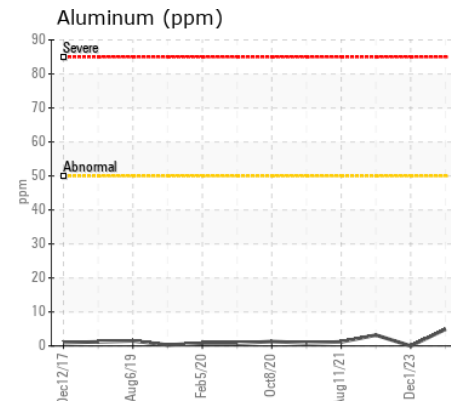
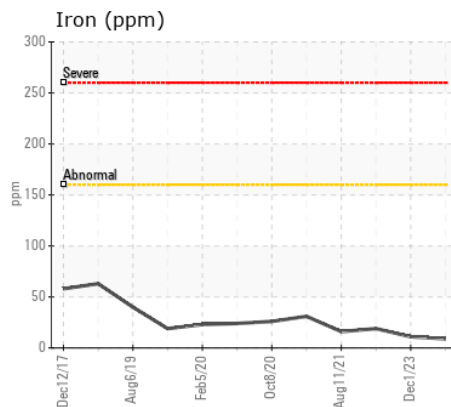
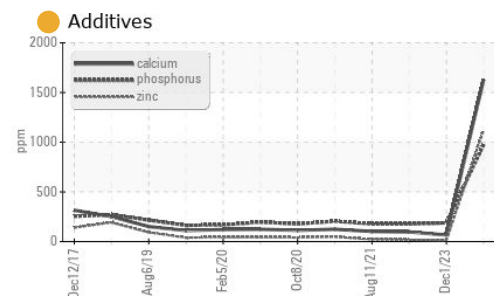
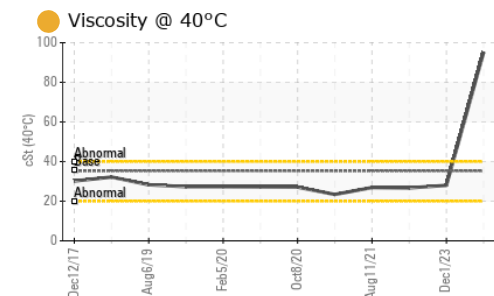
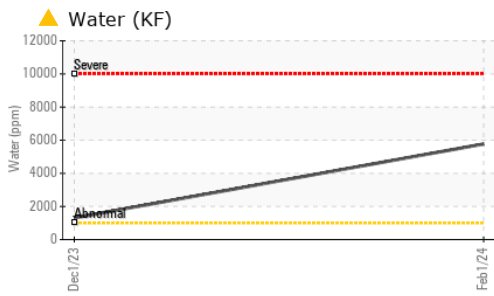
The fluid viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP429402	VCP429148	DJJ0002357
Sample Date		Client Info		01 Feb 2024	01 Dec 2023	18 Feb 2022
Machine Age	hrs	Client Info		10412	10412	8185
Oil Age	hrs	Client Info		0	0	800
Filter Age	hrs	Client Info		0	0	800
Oil Changed		Client Info		Changed	Not Chngd	Not Chngd
Filter Changed		Client Info		Changed	Not Chngd	Changed
Sample Status				ABNORMAL	MARGINAL	NORMAL

Iron	ppm	ASTM D5185m	>160	9	11	19
Chromium	ppm	ASTM D5185m	>5	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	5	0	3
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>225	0	0	2
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>20	9	<1	3
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.1	▲ 0.577	▲ 0.131	---
ppm Water	ppm	ASTM D6304	>1000	▲ 5770	▲ 1310	---
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
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%	0.2%	NEG

Sodium	ppm	ASTM D5185m		2	2	5
Boron	ppm	ASTM D5185m	187	52	88	71
Barium	ppm	ASTM D5185m	0.0	0	<1	0
Molybdenum	ppm	ASTM D5185m	0.0	● 40	0	<1
Manganese	ppm	ASTM D5185m	0.0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	6.8	● 520	0	2
Calcium	ppm	ASTM D5185m	215	● 1628	66	97
Phosphorus	ppm	ASTM D5185m	445	971	188	177
Zinc	ppm	ASTM D5185m	56	● 1123	11	18
Sulfur	ppm	ASTM D5185m	1336	● 3268	1675	1718
Visc @ 40°C	cSt	ASTM D445	35.3	● 95.2	28.0	26.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP429402 **Received** : 25 Apr 2024
Lab Number : 06160819 **Tested** : 29 Apr 2024
Unique Number : 10996242 **Diagnosed** : 29 Apr 2024 - Sean Felton
Test Package : MOB 1 (Additional Tests: KF)

TRADEMARK METALS RECYCLING - SUTTON
 5220 DOVER STREET
 TAMPA, FL
 US 33619
 Contact: RYAN BOWDEN

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)

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