



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[S50402451]
Machine Id
VOLVO L90H 625727
Component
Transmission (Auto)
Fluid
VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP414909	VCP405418	---
Sample Date		Client Info		10 Jan 2024	09 Feb 2023	---
Machine Age	hrs	Client Info		6000	0	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	27	43	---
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	<1	<1	---
Lead	ppm	ASTM D5185m	>50	<1	0	---
Copper	ppm	ASTM D5185m	>225	7	5	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

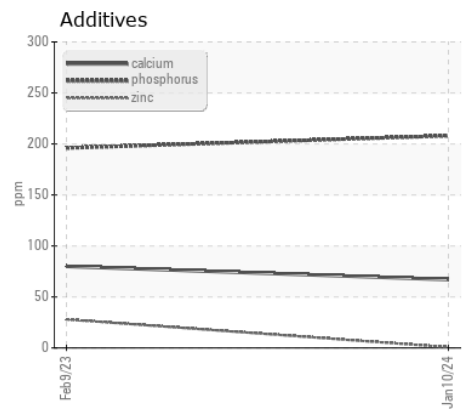
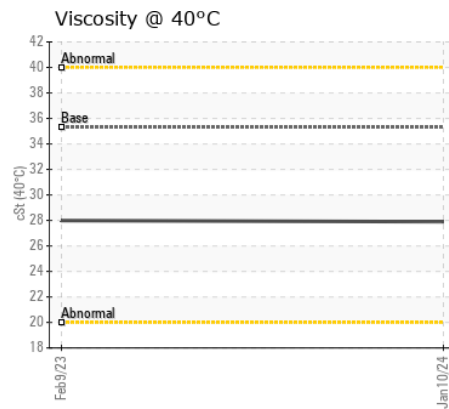
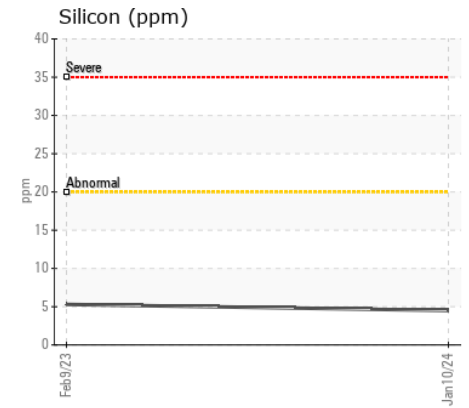
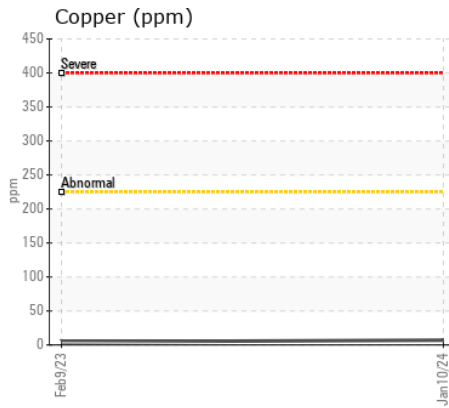
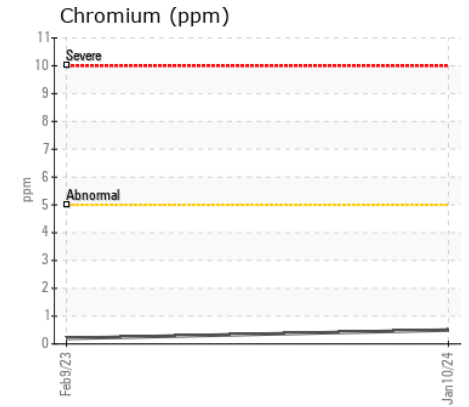
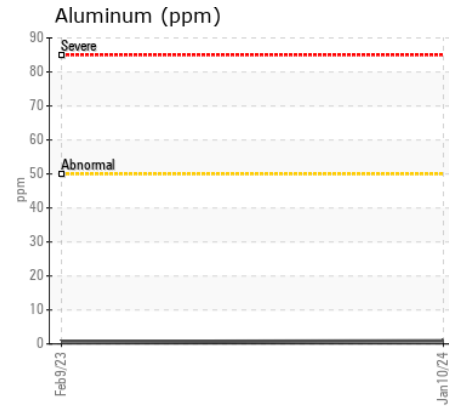
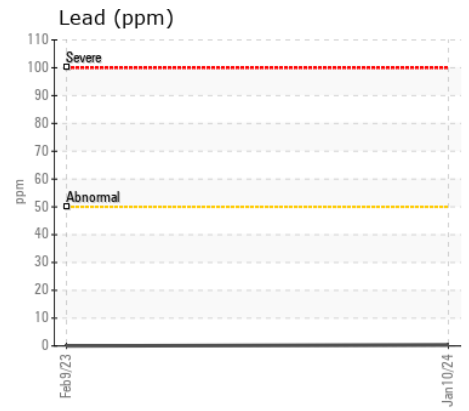
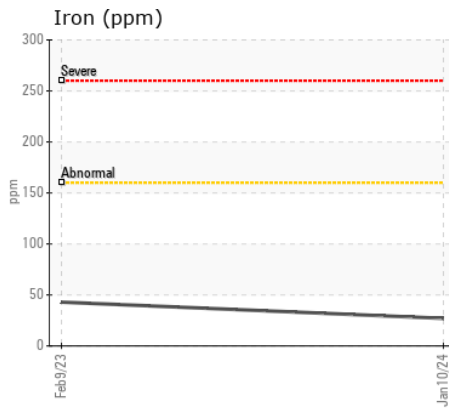
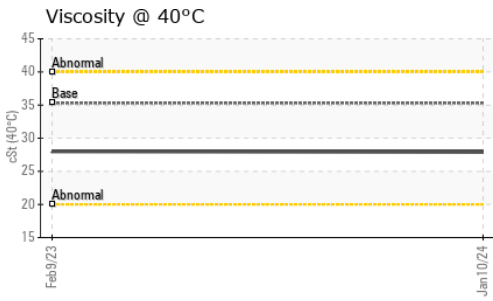
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	4	5	---
Potassium	ppm	ASTM D5185m	>20	2	2	---
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	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	3	---
Boron	ppm	ASTM D5185m	187	76	78	---
Barium	ppm	ASTM D5185m	0.0	0	0	---
Molybdenum	ppm	ASTM D5185m	0.0	<1	<1	---
Manganese	ppm	ASTM D5185m	0.0	2	4	---
Magnesium	ppm	ASTM D5185m	6.8	2	4	---
Calcium	ppm	ASTM D5185m	215	67	80	---
Phosphorus	ppm	ASTM D5185m	445	208	196	---
Zinc	ppm	ASTM D5185m	56	<1	28	---
Sulfur	ppm	ASTM D5185m	1336	2432	2056	---
Visc @ 40°C	cSt	ASTM D445	35.3	27.9	27.99	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP414909 **Received** : 01 Feb 2024
Lab Number : 06077892 **Diagnosed** : 04 Feb 2024
Unique Number : 10859983 **Diagnostician** : Don Baldrige
Test Package : MOB 1

IAA - INSURANCE AUTO AUCTIONS - WESTCHESTER VC
 2 WESTBROOK CORPORATE CENTER STE. 5
 WESTCHESTER, IL
 US 60154
 Contact: BILLY BUTLER

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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F: