



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[S50402451]
Machine Id
VOLVO L90H 625727
Component
Front Axle
Fluid
VOLVO WB 102 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP438496	VCP405420	---
Sample Date		Client Info		10 Jan 2024	09 Feb 2023	---
Machine Age	hrs	Client Info		6000	4059	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Not Changed	Not Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	30	36	---
Chromium	ppm	ASTM D5185m	>20	<1	1	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	<1	---
Aluminum	ppm	ASTM D5185m	>30	2	2	---
Lead	ppm	ASTM D5185m	>50	0	<1	---
Copper	ppm	ASTM D5185m	>120	7	25	---
Tin	ppm	ASTM D5185m	>20	0	2	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	LIGHT	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

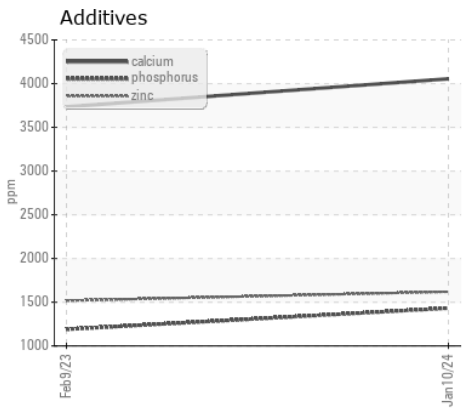
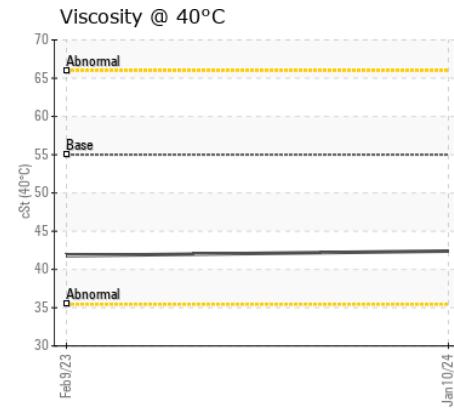
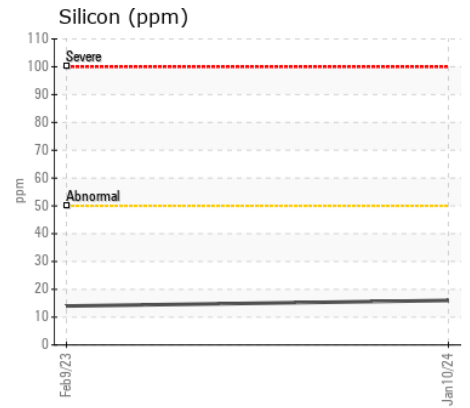
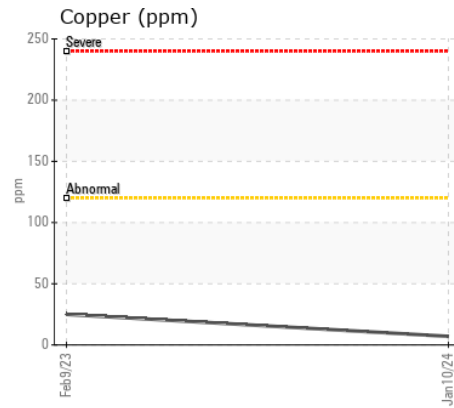
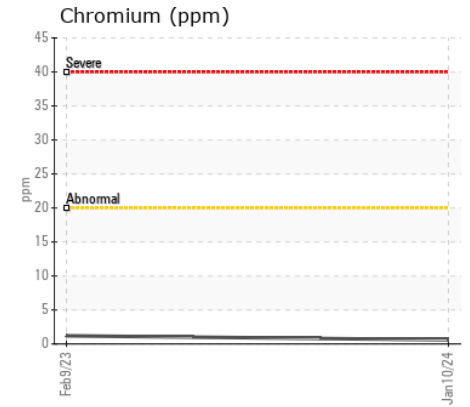
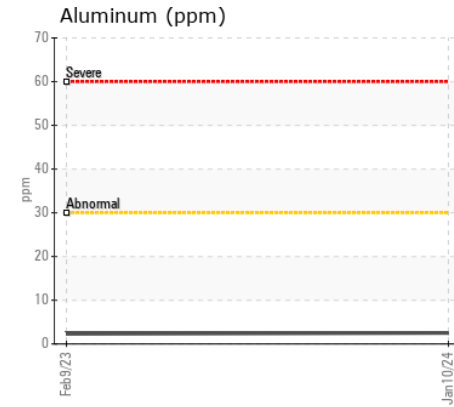
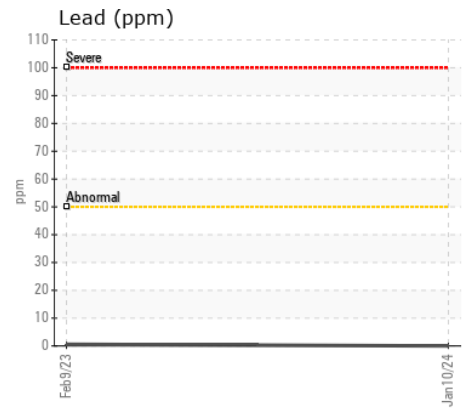
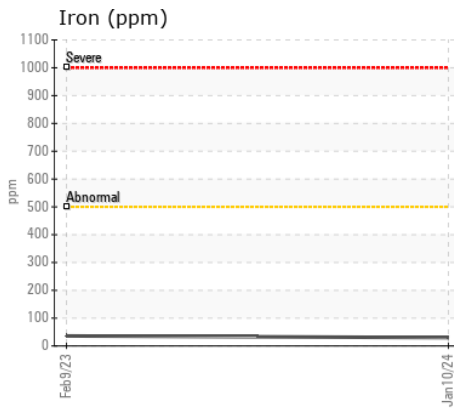
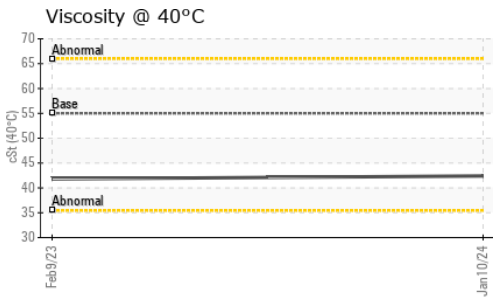
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	16	14	---
Potassium	ppm	ASTM D5185m	>20	1	2	---
Water		WC Method	>0.2	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	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	4	---
Boron	ppm	ASTM D5185m		141	115	---
Barium	ppm	ASTM D5185m		7	0	---
Molybdenum	ppm	ASTM D5185m		1	2	---
Manganese	ppm	ASTM D5185m		2	2	---
Magnesium	ppm	ASTM D5185m		15	13	---
Calcium	ppm	ASTM D5185m		4055	3735	---
Phosphorus	ppm	ASTM D5185m		1432	1190	---
Zinc	ppm	ASTM D5185m		1620	1518	---
Sulfur	ppm	ASTM D5185m		4685	4203	---
Visc @ 40°C	cSt	ASTM D445	55	42.4	41.8	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP438496 **Received** : 01 Feb 2024
Lab Number : 06077858 **Diagnosed** : 02 Feb 2024
Unique Number : 10859949 **Diagnostician** : Wes Davis
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: