



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[495]
Machine Id
VOLVO L90H 624946
Component
Transmission (Auto)
Fluid
VOLVO AT 102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP391408	VCP263723	---
Sample Date		Client Info		08 Feb 2024	09 Mar 2021	---
Machine Age	hrs	Client Info		4775	1528	---
Oil Age	hrs	Client Info		781	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Not Changd	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	71	130	---
Chromium	ppm	ASTM D5185m	>5	0	<1	---
Nickel	ppm	ASTM D5185m	>5	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>5	0	0	---
Aluminum	ppm	ASTM D5185m	>50	6	6	---
Lead	ppm	ASTM D5185m	>50	0	0	---
Copper	ppm	ASTM D5185m	>225	6	9	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

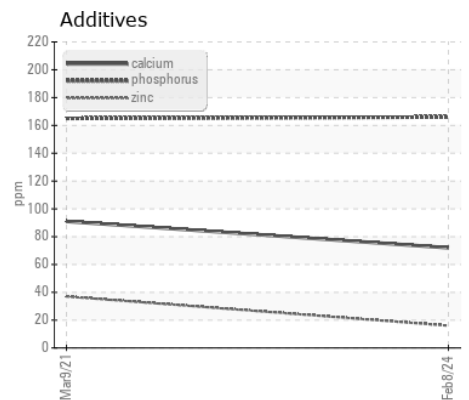
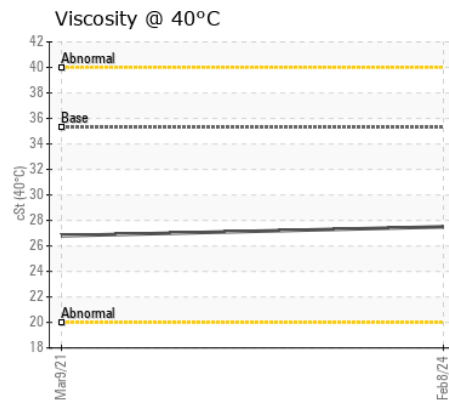
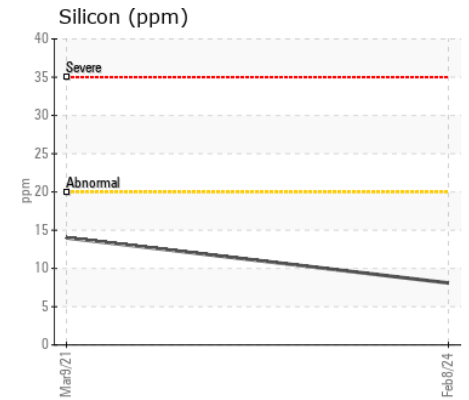
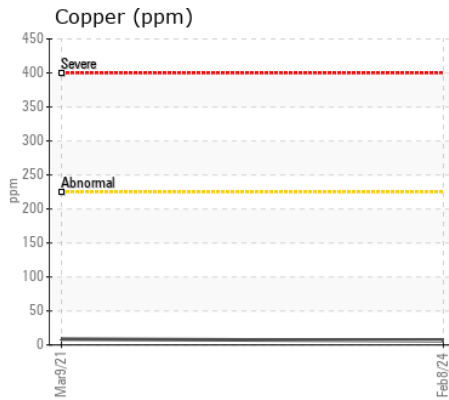
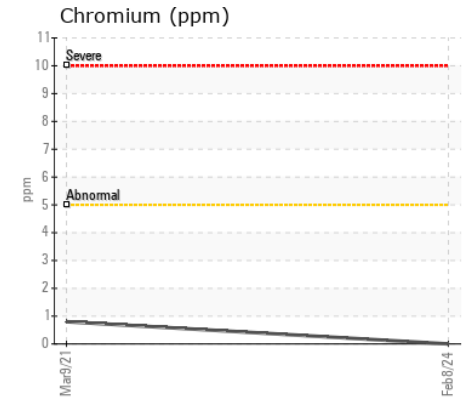
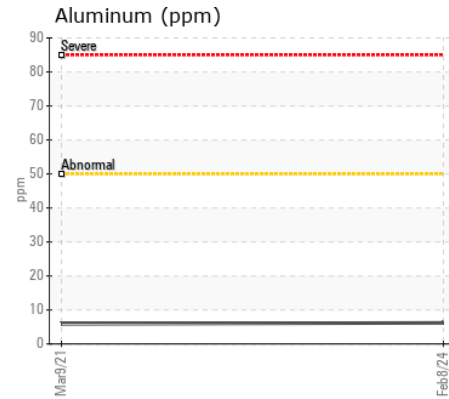
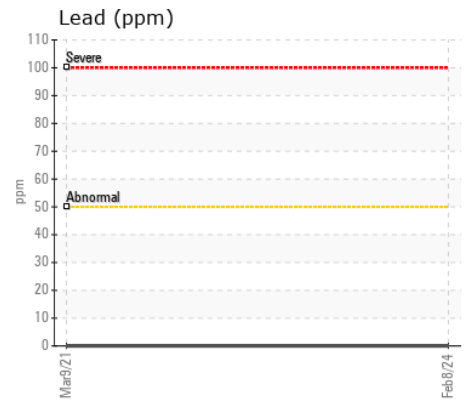
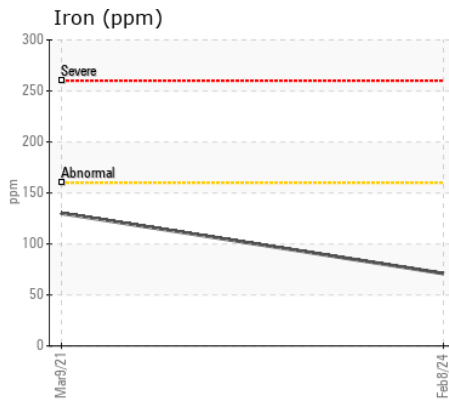
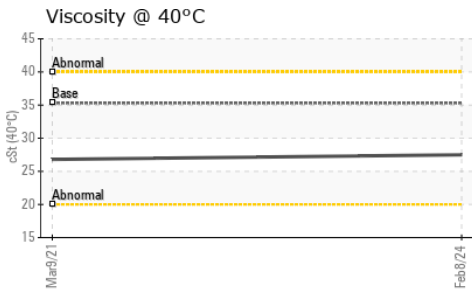
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	8	14	---
Potassium	ppm	ASTM D5185m	>20	<1	0	---
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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		6	5	---
Boron	ppm	ASTM D5185m	187	68	57	---
Barium	ppm	ASTM D5185m	0.0	<1	1	---
Molybdenum	ppm	ASTM D5185m	0.0	0	0	---
Manganese	ppm	ASTM D5185m	0.0	4	9	---
Magnesium	ppm	ASTM D5185m	6.8	0	0	---
Calcium	ppm	ASTM D5185m	215	72	91	---
Phosphorus	ppm	ASTM D5185m	445	166	165	---
Zinc	ppm	ASTM D5185m	56	16	37	---
Sulfur	ppm	ASTM D5185m	1336	1471	1426	---
Visc @ 40°C	cSt	ASTM D445	35.3	27.5	26.8	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP391408 **Received** : 23 Feb 2024
Lab Number : 06098786 **Tested** : 26 Feb 2024
Unique Number : 10897016 **Diagnosed** : 26 Feb 2024 - Don Baldrige
Test Package : MOB 1

SODERBERG CONSTRUCTION
 460 YORK STREET
 CARIBOU, ME
 US 04736
 Contact: GREG LANDEEN
 glandeen@mfj.net
 T: (207)498-6300
 F: (207)498-6535

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)