



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[495]
Machine Id
VOLVO L90H 624946
Component
Front Axle
Fluid
VOLVO WB 102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP391415	VCP263729	VCP281701
Sample Date		Client Info		08 Feb 2024	09 Mar 2021	22 Oct 2020
Machine Age	hrs	Client Info		4775	1528	2023
Oil Age	hrs	Client Info		781	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	20	87	162
Chromium	ppm	ASTM D5185m	>20	<1	4	6
Nickel	ppm	ASTM D5185m	>10	0	<1	2
Titanium	ppm	ASTM D5185m		0	1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	0	1	1
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>120	0	<1	1
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

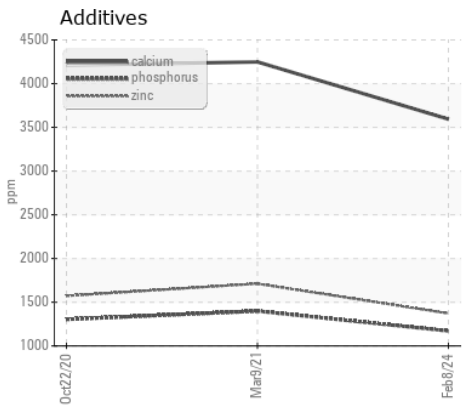
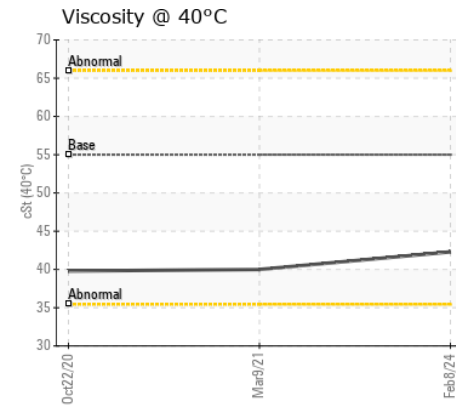
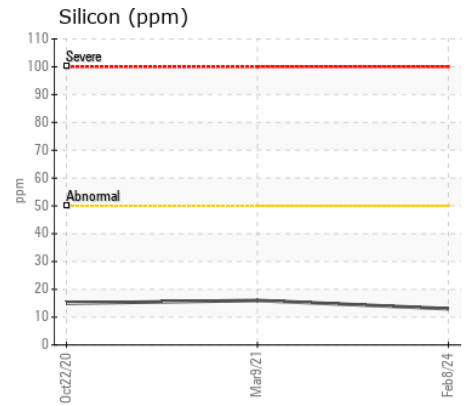
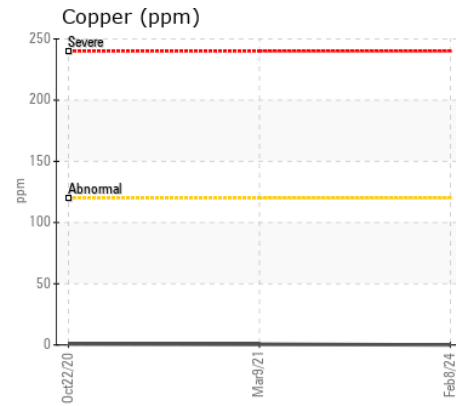
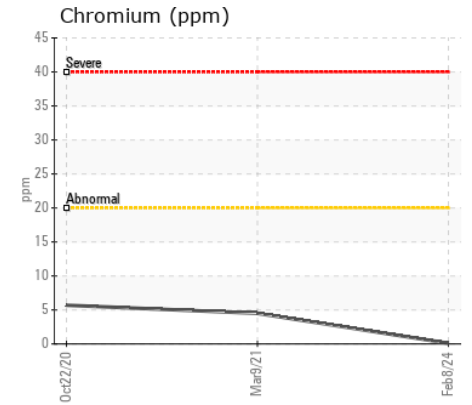
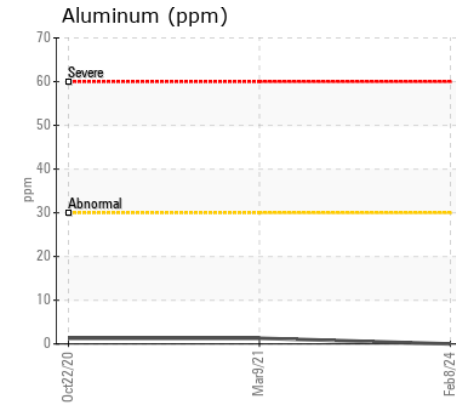
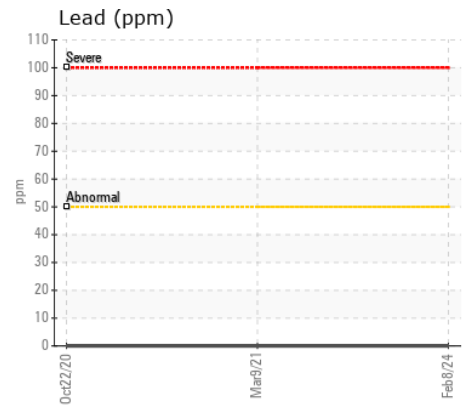
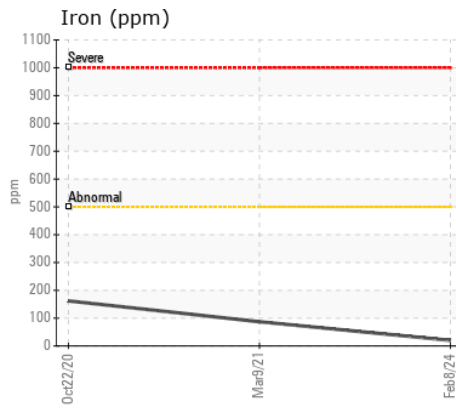
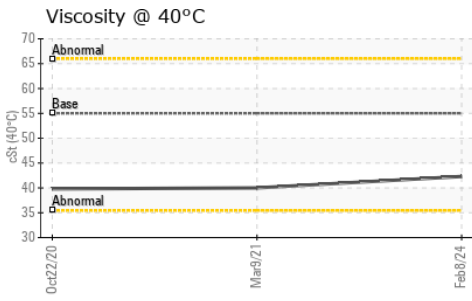
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	13	16	15
Potassium	ppm	ASTM D5185m	>20	0	0	9
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	MODER	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		3	5	7
Boron	ppm	ASTM D5185m		124	126	112
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	10	14
Manganese	ppm	ASTM D5185m		<1	11	11
Magnesium	ppm	ASTM D5185m		14	8	12
Calcium	ppm	ASTM D5185m		3594	4249	4211
Phosphorus	ppm	ASTM D5185m		1171	1399	1304
Zinc	ppm	ASTM D5185m		1372	1712	1573
Sulfur	ppm	ASTM D5185m		3488	3724	3450
Visc @ 40°C	cSt	ASTM D445	55	42.3	40.0	39.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP391415
Lab Number : 06098743
Unique Number : 10896973
Test Package : MOB 1

Received : 23 Feb 2024
Tested : 26 Feb 2024
Diagnosed : 26 Feb 2024 - Wes Davis

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)