



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[A12259]
Machine Id
VOLVO L110H 632555
Component
Front Axle
Fluid
MOBIL WB 102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP446075	VCP413242	---
Sample Date		Client Info		06 Mar 2024	03 Oct 2023	---
Machine Age	hrs	Client Info		3345	1760	---
Oil Age	hrs	Client Info		2000	1000	---
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	58	219	---
Chromium	ppm	ASTM D5185m	>20	2	5	---
Nickel	ppm	ASTM D5185m	>10	<1	1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>30	2	0	---
Lead	ppm	ASTM D5185m	>50	<1	<1	---
Copper	ppm	ASTM D5185m	>120	<1	1	---
Tin	ppm	ASTM D5185m	>20	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

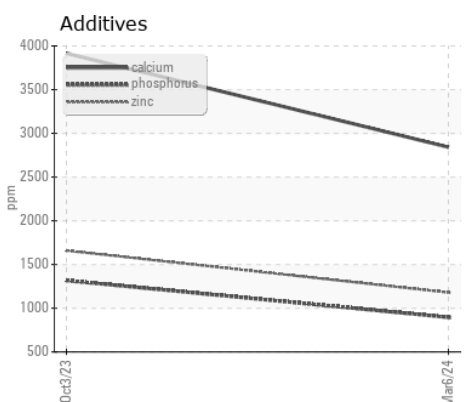
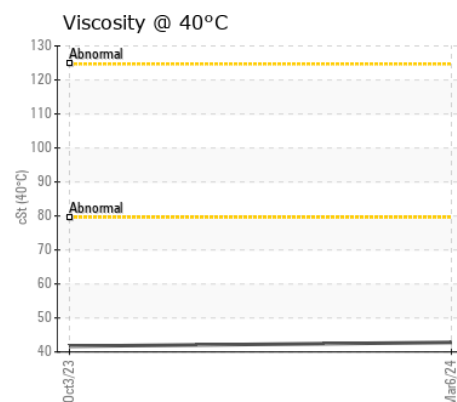
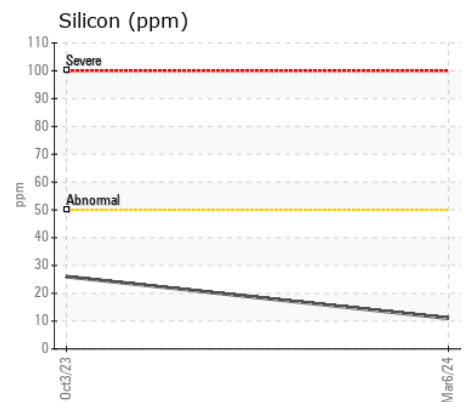
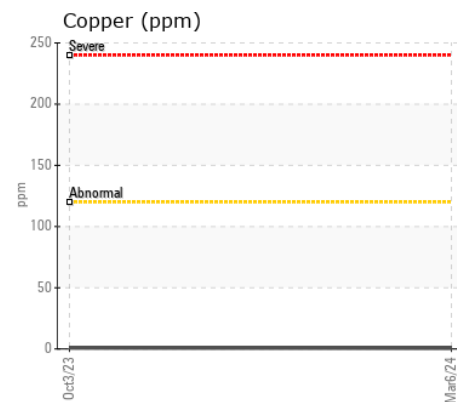
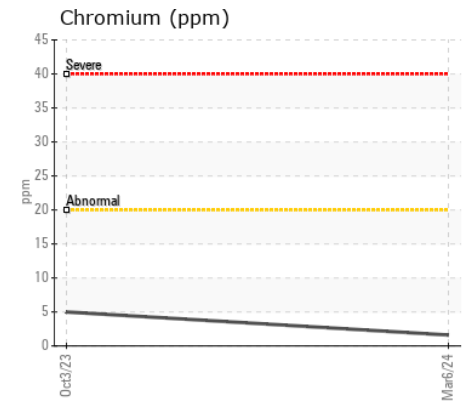
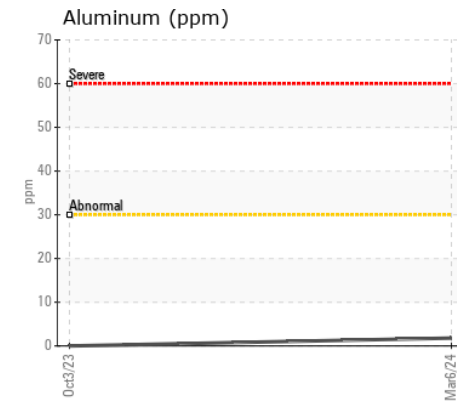
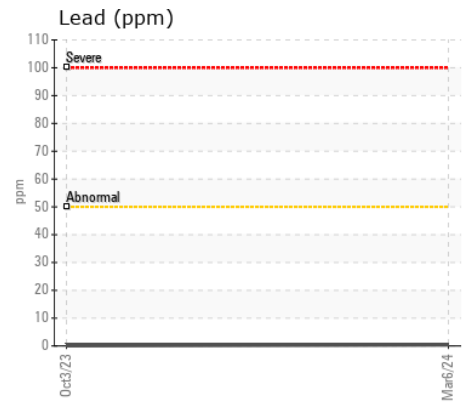
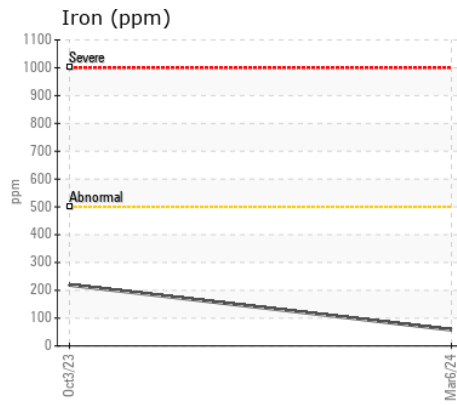
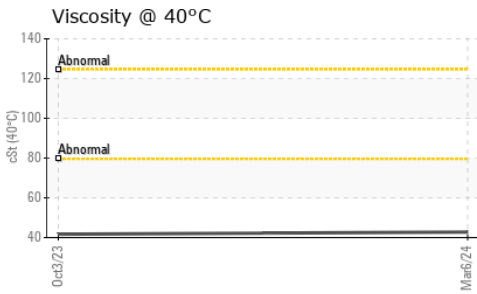
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	11	26	---
Potassium	ppm	ASTM D5185m	>20	2	3	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	MODER	---
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	<1	---
Boron	ppm	ASTM D5185m		89	121	---
Barium	ppm	ASTM D5185m		0	1	---
Molybdenum	ppm	ASTM D5185m		7	13	---
Manganese	ppm	ASTM D5185m		3	13	---
Magnesium	ppm	ASTM D5185m		56	10	---
Calcium	ppm	ASTM D5185m		2842	3916	---
Phosphorus	ppm	ASTM D5185m		896	1317	---
Zinc	ppm	ASTM D5185m		1180	1659	---
Sulfur	ppm	ASTM D5185m		3295	4373	---
Visc @ 40°C	cSt	ASTM D445		42.8	41.7	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : VCP446075
 Lab Number : 06124018
 Unique Number : 10938169
 Test Package : MOB 1

Received : 20 Mar 2024
 Tested : 21 Mar 2024
 Diagnosed : 21 Mar 2024 - Wes Davis

HMR ASSOCIATES
 PO BOX 485
 TOUGHKENAMON, PA
 US 19374
 Contact: SERVICE MANAGER

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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