



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[A12262]
Machine Id
VOLVO L110H 632316
Component
Transmission (Auto)
Fluid
MOBIL AT 102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP446068	VCP412841	VCP409808
Sample Date		Client Info		15 Mar 2024	04 Oct 2023	05 Apr 2023
Machine Age	hrs	Client Info		4670	3650	2645
Oil Age	hrs	Client Info		4000	3500	2645
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	65	57	37
Chromium	ppm	ASTM D5185m	>5	<1	<1	0
Nickel	ppm	ASTM D5185m	>5	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	8	2	3
Lead	ppm	ASTM D5185m	>50	<1	<1	0
Copper	ppm	ASTM D5185m	>225	14	12	6
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

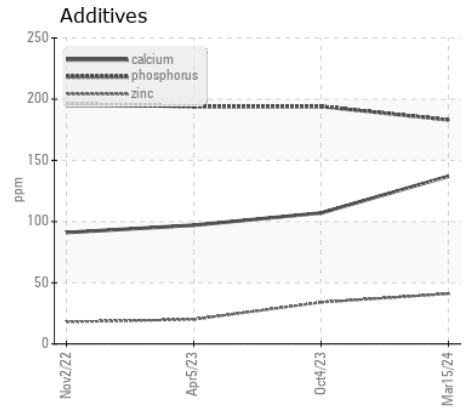
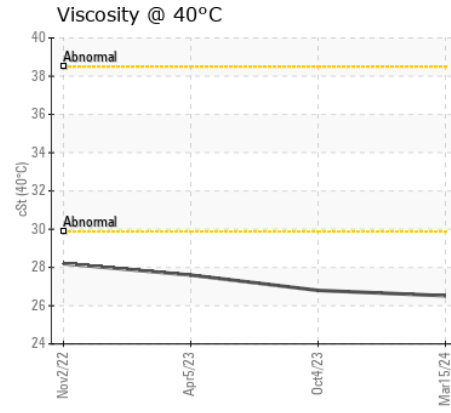
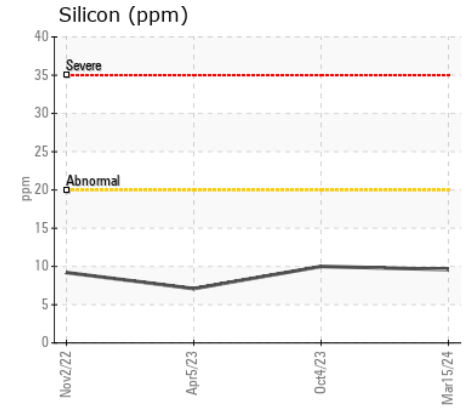
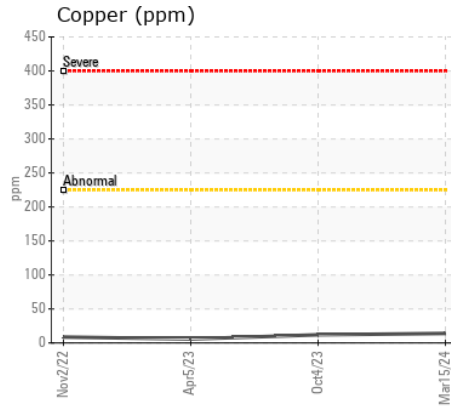
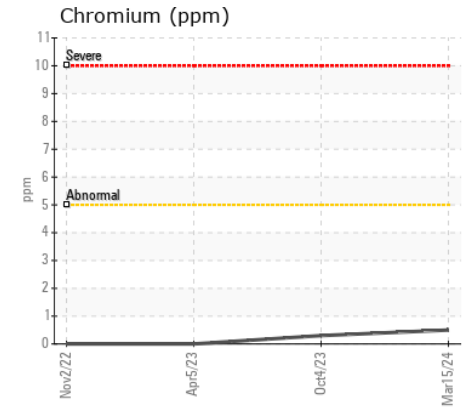
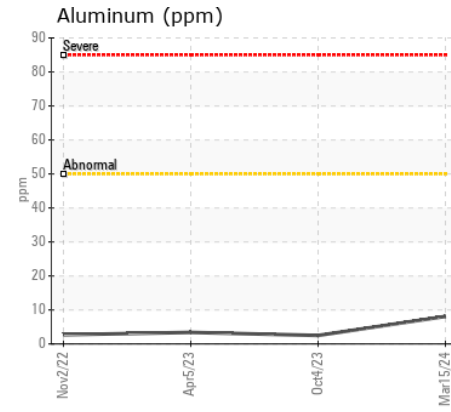
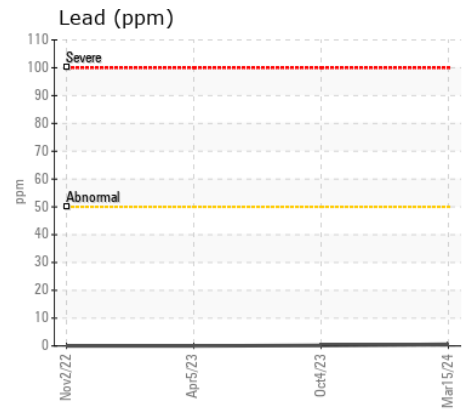
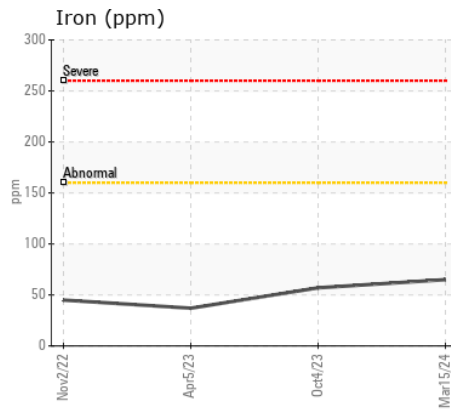
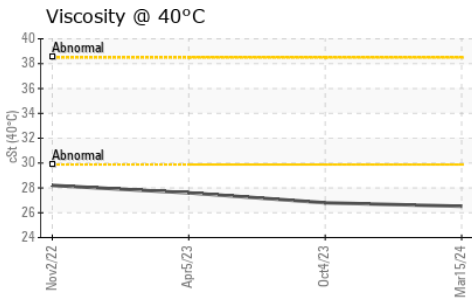
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	10	10	7
Potassium	ppm	ASTM D5185m	>20	2	<1	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		3	3	2
Boron	ppm	ASTM D5185m		52	54	52
Barium	ppm	ASTM D5185m		2	5	0
Molybdenum	ppm	ASTM D5185m		2	1	<1
Manganese	ppm	ASTM D5185m		4	3	3
Magnesium	ppm	ASTM D5185m		13	13	4
Calcium	ppm	ASTM D5185m		137	107	97
Phosphorus	ppm	ASTM D5185m		183	194	194
Zinc	ppm	ASTM D5185m		41	34	20
Sulfur	ppm	ASTM D5185m		1598	1732	1730
Visc @ 40°C	cSt	ASTM D445		26.52	26.8	27.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP446068
Lab Number : 06124110
Unique Number : 10938261
Test Package : MOB 1

Received : 20 Mar 2024
Tested : 27 Mar 2024
Diagnosed : 27 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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