



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[8000391308]
Machine Id
VOLVO L70H 622342
Component
Transmission (Auto)
Fluid
VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP449347	VCP391721	WC391750
Sample Date		Client Info		16 Jan 2024	20 Oct 2023	08 May 2023
Machine Age	hrs	Client Info		14046	13516	12522
Oil Age	hrs	Client Info		4000	994	480
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	N/A
Filter Changed		Client Info		Changed	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>160	49	49	40
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>50	2	1	1
Lead	ppm	ASTM D5185(m)	>50	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>225	16	16	15
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

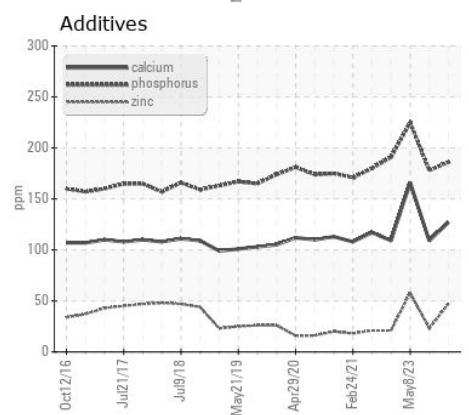
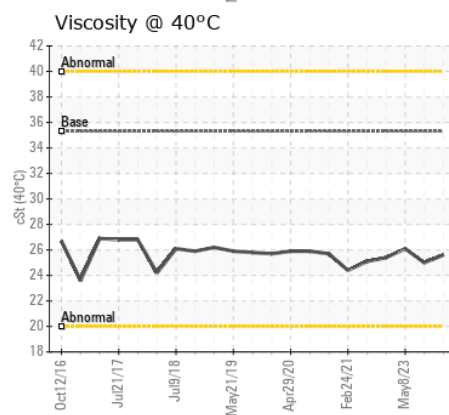
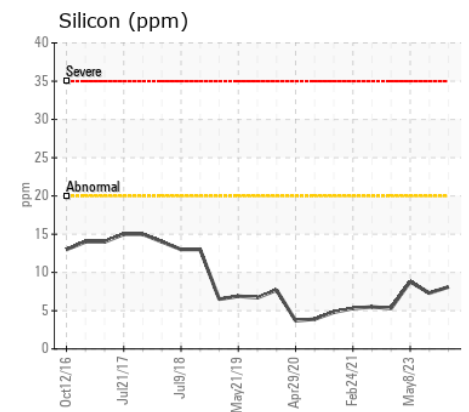
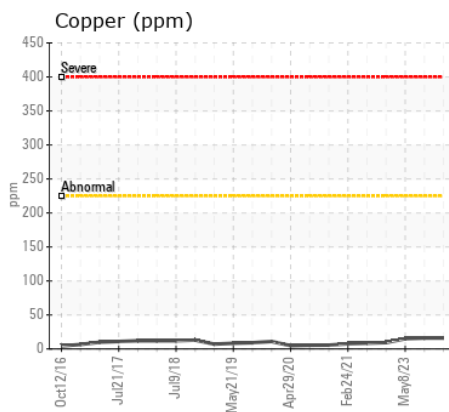
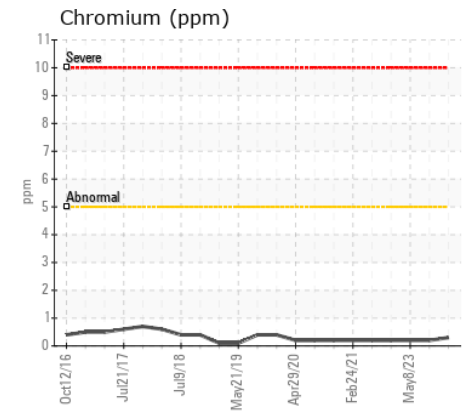
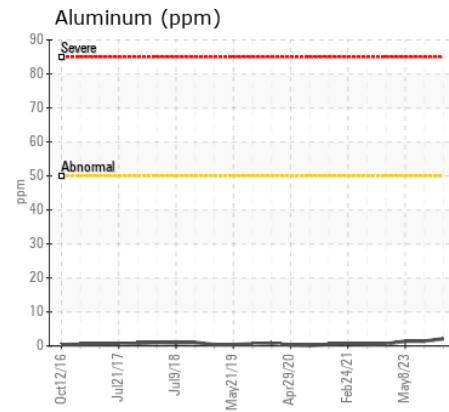
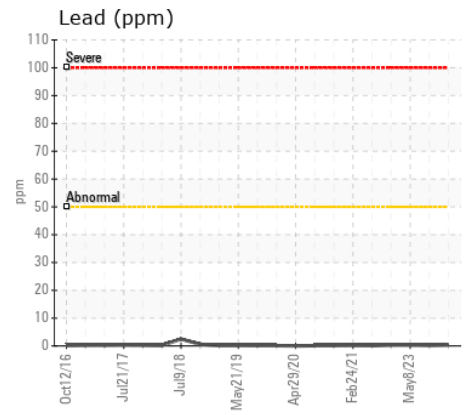
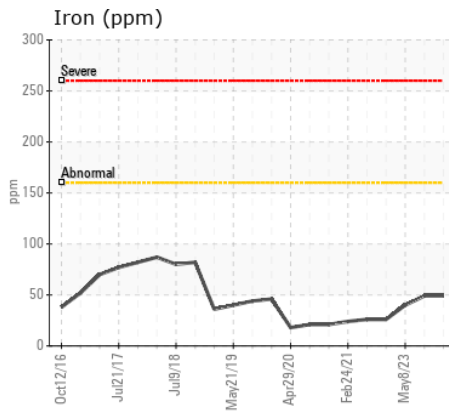
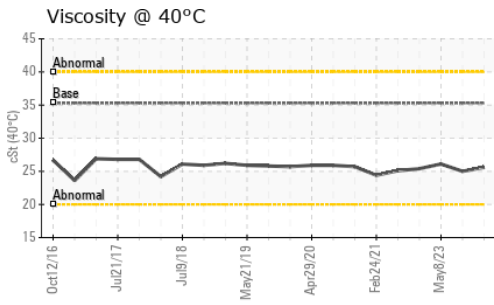
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	8	7	9
Potassium	ppm	ASTM D5185(m)	>20	2	1	2
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	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*	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		4	5	5
Boron	ppm	ASTM D5185(m)	187	54	57	59
Barium	ppm	ASTM D5185(m)	0.0	<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)	0.0	0	0	1
Manganese	ppm	ASTM D5185(m)	0.0	2	2	2
Magnesium	ppm	ASTM D5185(m)	6.8	2	1	19
Calcium	ppm	ASTM D5185(m)	215	127	109	166
Phosphorus	ppm	ASTM D5185(m)	445	186	178	225
Zinc	ppm	ASTM D5185(m)	56	47	23	58
Sulfur	ppm	ASTM D5185(m)	1336	1856	1614	1677
Visc @ 40°C	cSt	ASTM D7279(m)	35.3	25.6	25.0	26.1



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP449347 **Received** : 22 Jan 2024
Lab Number : 02610337 **Diagnosed** : 22 Jan 2024
Unique Number : 5711423 **Diagnostician** : Wes Davis
Test Package : MOB 1

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.