



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
REGION OF WATERLOO [388565]
Machine Id
VOLVO L120H 633154
Component
Rear 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		VCP392070	VCP391789	VCP353124
Sample Date		Client Info		11 Jan 2024	30 Aug 2023	12 Apr 2023
Machine Age	hrs	Client Info		4039	3000	2000
Oil Age	hrs	Client Info		4000	3000	2000
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 D5185(m)	>500	149	120	71
Chromium	ppm	ASTM D5185(m)	>20	3	3	2
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>30	2	1	1
Lead	ppm	ASTM D5185(m)	>50	<1	0	0
Copper	ppm	ASTM D5185(m)	>120	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>20	0	0	<1
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

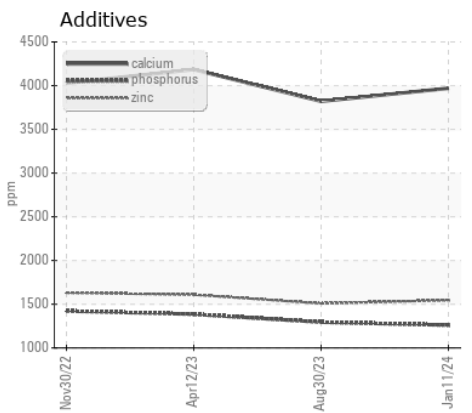
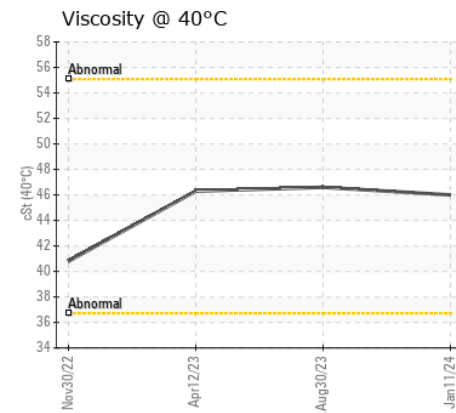
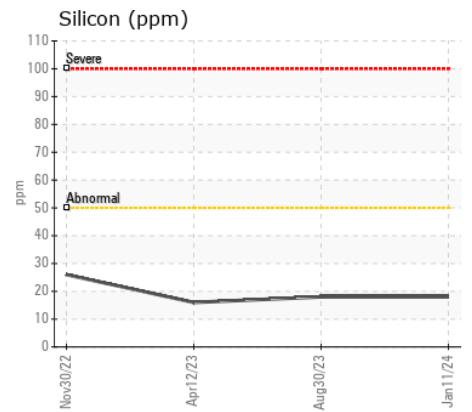
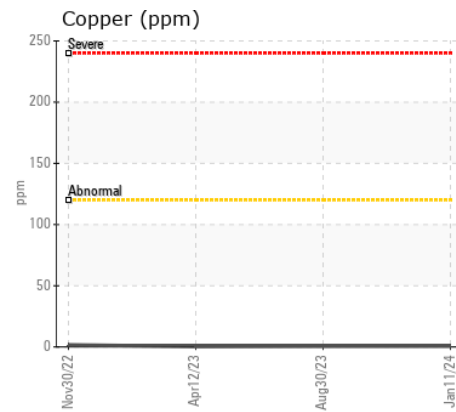
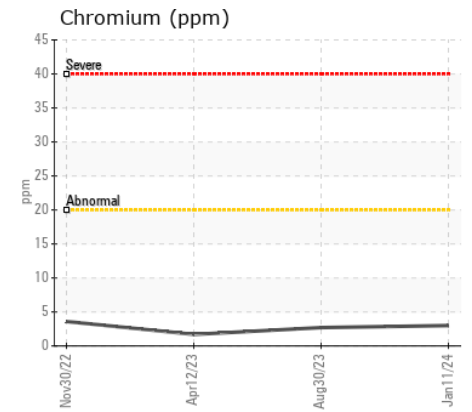
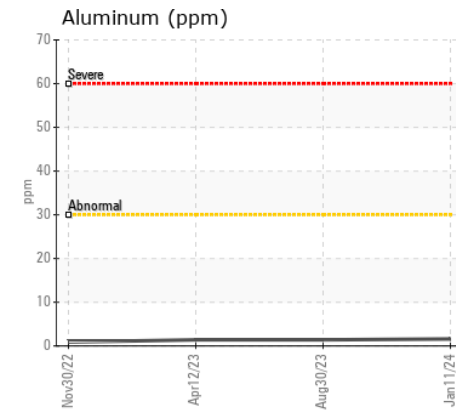
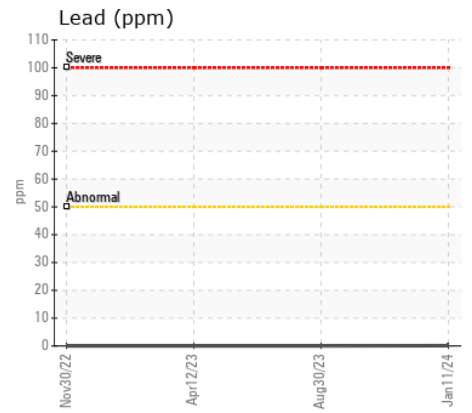
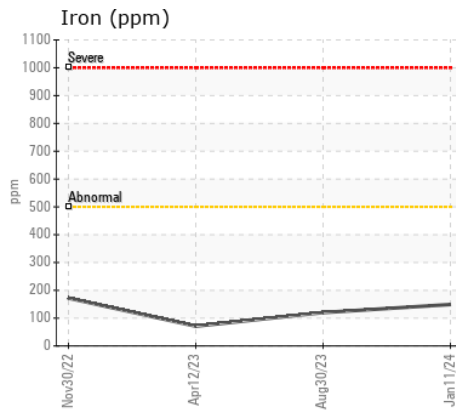
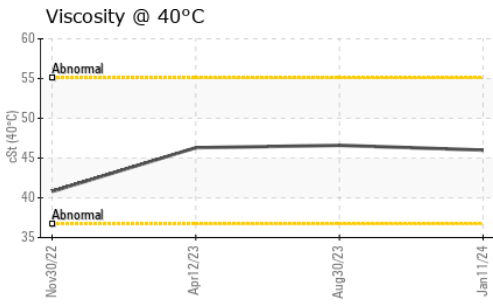
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	18	18	16
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	VLITE	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*	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		4	4	4
Boron	ppm	ASTM D5185(m)		112	115	113
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		4	4	4
Manganese	ppm	ASTM D5185(m)		6	5	4
Magnesium	ppm	ASTM D5185(m)		17	17	15
Calcium	ppm	ASTM D5185(m)		3970	3821	4185
Phosphorus	ppm	ASTM D5185(m)		1261	1295	1386
Zinc	ppm	ASTM D5185(m)		1546	1509	1609
Sulfur	ppm	ASTM D5185(m)		4023	3890	3837
Visc @ 40°C	cSt	ASTM D7279(m)		46.0	46.6	46.3



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP392070 **Received** : 23 Jan 2024
Lab Number : 02610679 **Diagnosed** : 23 Jan 2024
Unique Number : 5711765 **Diagnostician** : Wes Davis
Test Package : MOB 1

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.

Strongco Equipment
 5179 Fountain St N.
 Breslau, ON
 CA N0B 1M0
 Contact: Eric Mailloux
 emailoux@strongco.com
 T: (519)744-3518
 F: (519)744-3284