



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[402022]

Machine Id
16-8115

Component
Transmission (Auto)

Fluid
VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
 Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP394294	VCP380096	VCP429753
Sample Date		Client Info		24 Apr 2024	29 Nov 2023	04 Sep 2023
Machine Age	hrs	Client Info		5000	4500	3978
Oil Age	hrs	Client Info		1000	500	4000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Not Changed	Not Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>160	86	85	▲ 218
Chromium	ppm	ASTM D5185(m)	>5	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	0	<1	<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	3
Lead	ppm	ASTM D5185(m)	>50	0	<1	<1
Copper	ppm	ASTM D5185(m)	>225	5	4	9
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

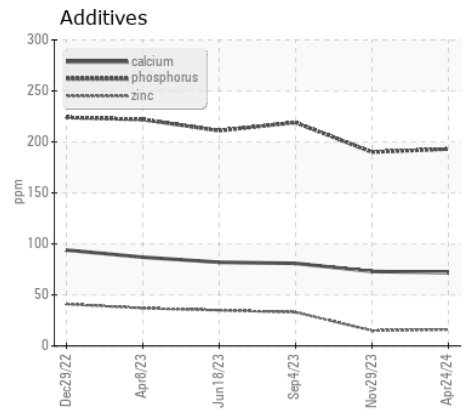
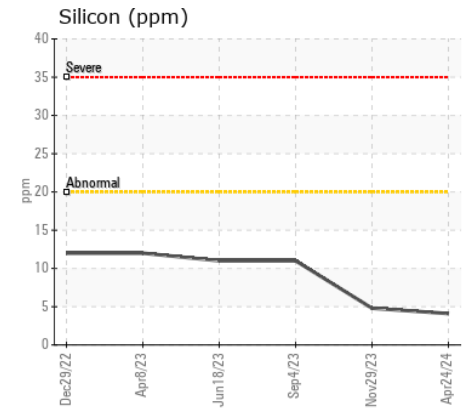
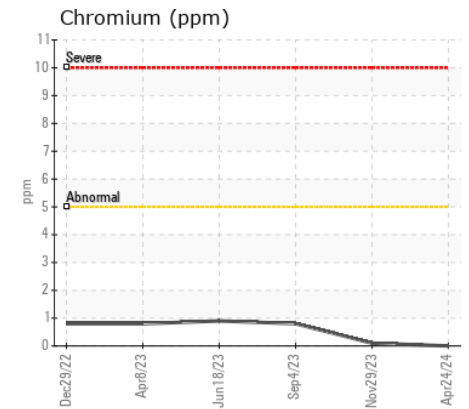
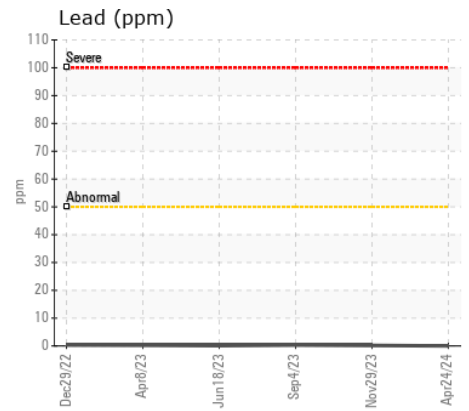
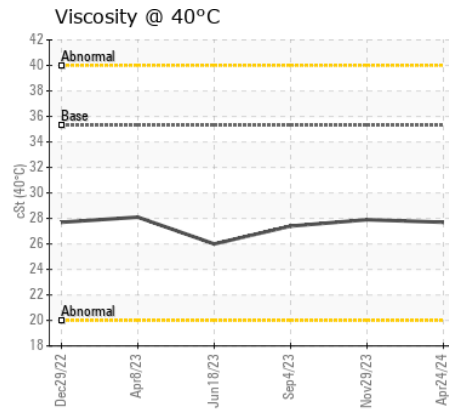
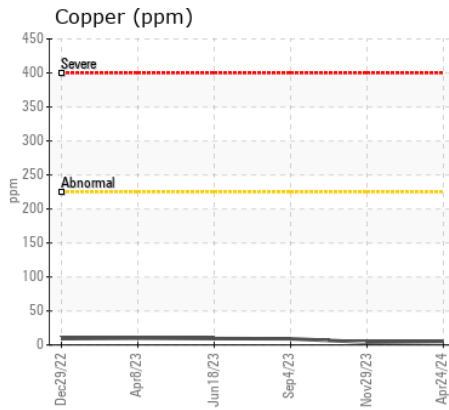
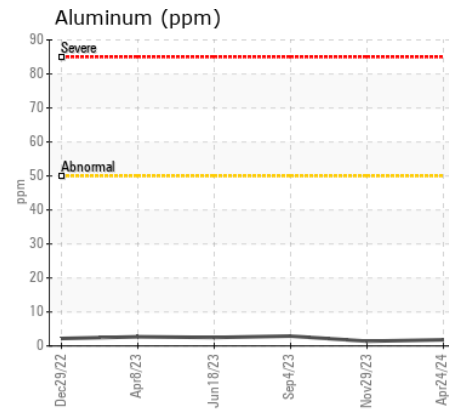
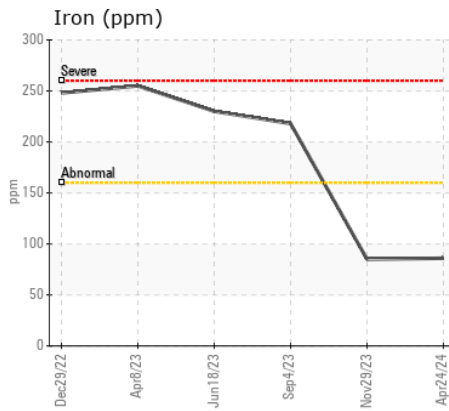
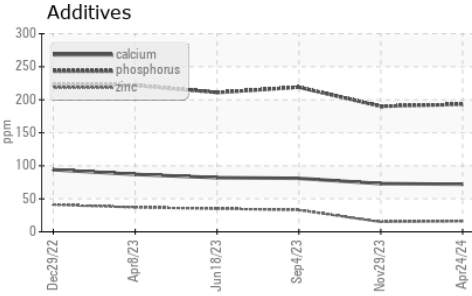
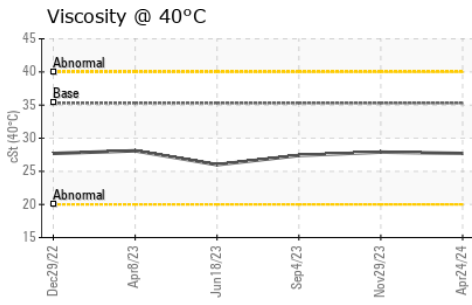
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	4	5	11
Potassium	ppm	ASTM D5185(m)	>20	1	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

Additive levels indicate the addition of a different brand, or type of fluid.
 The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		3	3	6
Boron	ppm	ASTM D5185(m)	187	79	79	64
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	3	3	9
Magnesium	ppm	ASTM D5185(m)	6.8	2	2	4
Calcium	ppm	ASTM D5185(m)	215	72	73	81
Phosphorus	ppm	ASTM D5185(m)	445	193	190	219
Zinc	ppm	ASTM D5185(m)	56	16	15	33
Sulfur	ppm	ASTM D5185(m)	1336	1569	1603	1526
Visc @ 40°C	cSt	ASTM D7279(m)	35.3	27.7	27.9	27.4



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP394294
Lab Number : 02631357
Unique Number : 5772510
Test Package : MOB 1
Received : 25 Apr 2024
Tested : 25 Apr 2024
Diagnosed : 25 Apr 2024 - Wes Davis

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 CONCORD, ON
 CA L4K 1B6
 Contact: Dan Brown
 dan.brown@ca.crh.com

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.

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