



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[399876]

Machine Id
622667

Component
Front Axle

Fluid
VOLVO WET BRAKE TRANSAXLE OIL (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP448203	VCP352914	---
Sample Date		Client Info		13 Apr 2024	22 Dec 2022	---
Machine Age	hrs	Client Info		3000	1053	---
Oil Age	hrs	Client Info		1000	1000	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changed	Changed	---
Filter Changed		Client Info		Not Changed	Not Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	46	148	---
Chromium	ppm	ASTM D5185(m)	>20	<1	5	---
Nickel	ppm	ASTM D5185(m)	>10	0	<1	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>30	2	1	---
Lead	ppm	ASTM D5185(m)	>50	0	0	---
Copper	ppm	ASTM D5185(m)	>120	<1	2	---
Tin	ppm	ASTM D5185(m)	>20	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

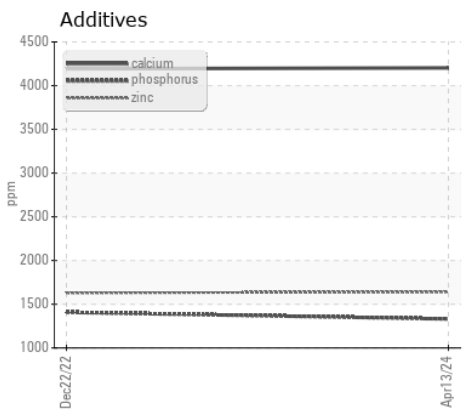
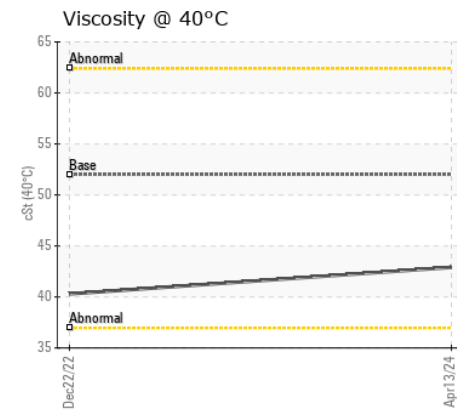
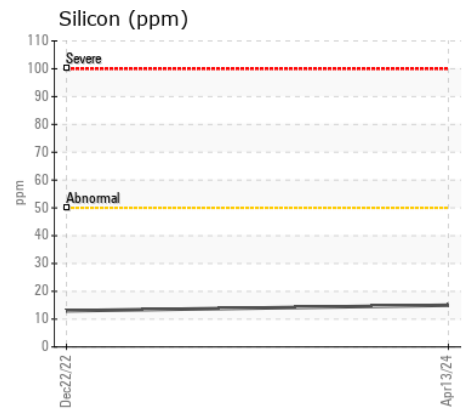
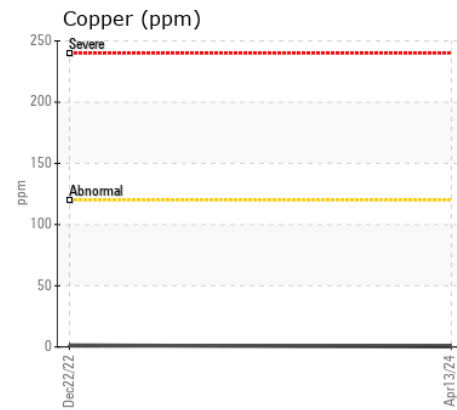
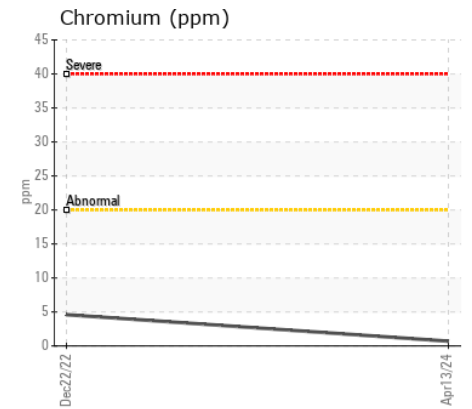
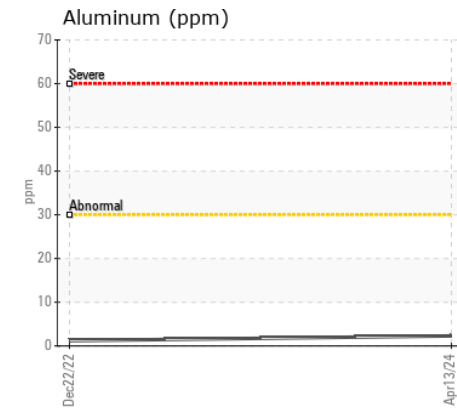
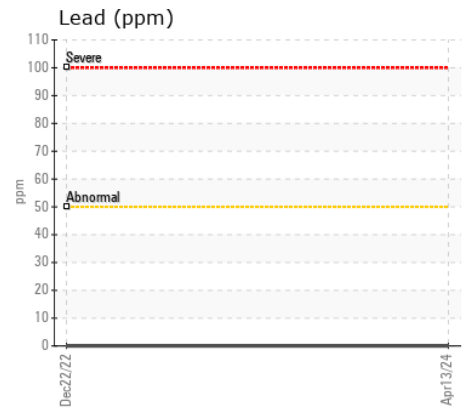
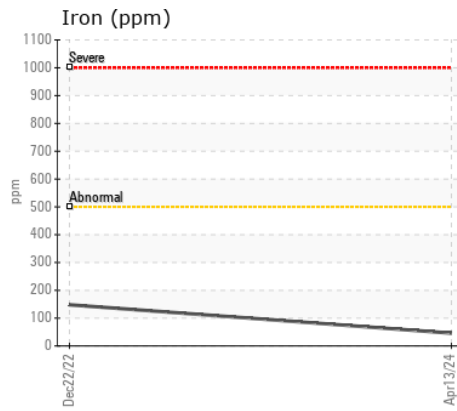
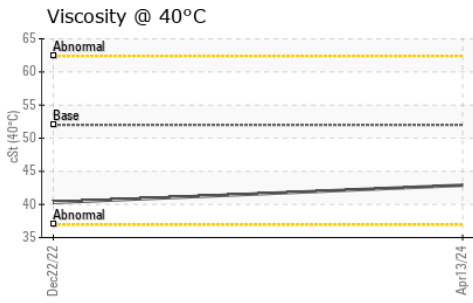
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	15	13	---
Potassium	ppm	ASTM D5185(m)	>20	6	3	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	VLITE	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 D5185(m)		2	9	---
Boron	ppm	ASTM D5185(m)	100	128	115	---
Barium	ppm	ASTM D5185(m)	0	0	0	---
Molybdenum	ppm	ASTM D5185(m)	0	0	4	---
Manganese	ppm	ASTM D5185(m)		1	9	---
Magnesium	ppm	ASTM D5185(m)	0	21	11	---
Calcium	ppm	ASTM D5185(m)	3800	4203	4193	---
Phosphorus	ppm	ASTM D5185(m)	1200	1331	1408	---
Zinc	ppm	ASTM D5185(m)	1500	1640	1629	---
Sulfur	ppm	ASTM D5185(m)	6500	3812	3328	---
Visc @ 40°C	cSt	ASTM D7279(m)	52.0	42.9	40.3	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP448203 **Received** : 17 Apr 2024
Lab Number : 02629778 **Tested** : 18 Apr 2024
Unique Number : 5762910 **Diagnosed** : 18 Apr 2024 - Wes Davis
Test Package : MOB 1

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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.

T:
F: