



# VOLVO

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area  
**CBM [396603]**  
Machine Id  
**VOLVO A40G 353347**  
Component  
**Brake Cooling System**  
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		VCP394274	VCP394839	---
Sample Date		Client Info		02 Mar 2024	11 Aug 2023	---
Machine Age	hrs	Client Info		2000	1014	---
Oil Age	hrs	Client Info		2000	1000	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changed	Not Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>50	44	27	---
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	---
Nickel	ppm	ASTM D5185(m)	>10	5	4	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>30	2	1	---
Lead	ppm	ASTM D5185(m)	>50	<1	<1	---
Copper	ppm	ASTM D5185(m)	>200	24	9	---
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

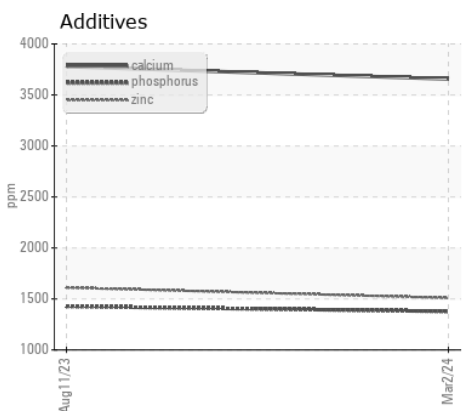
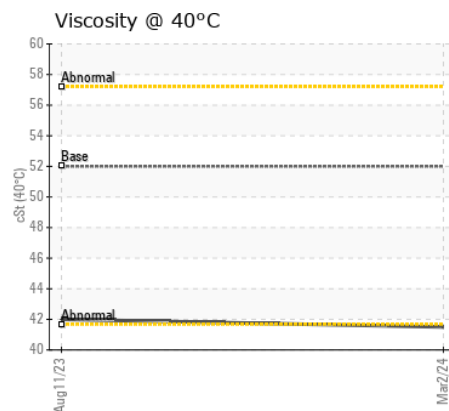
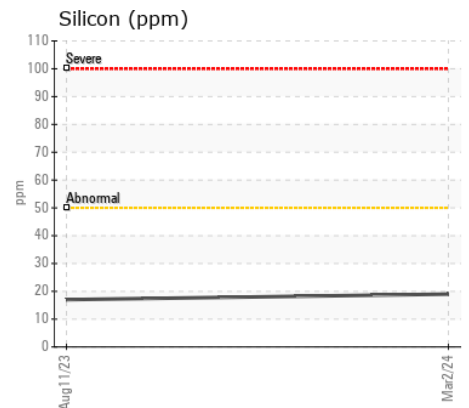
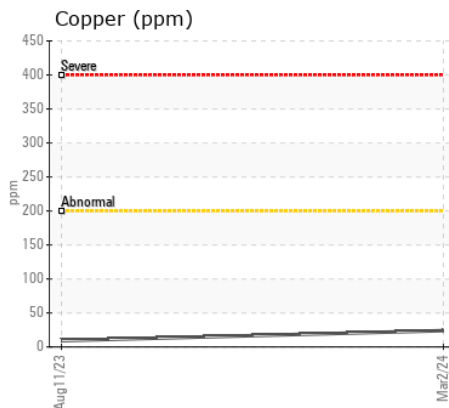
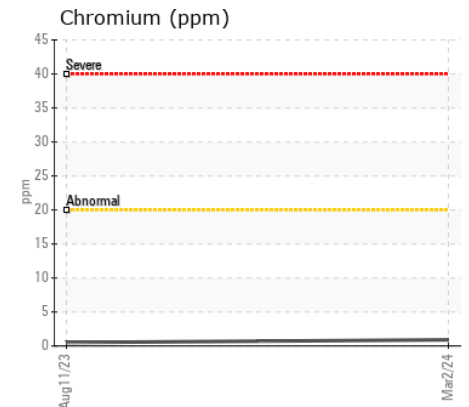
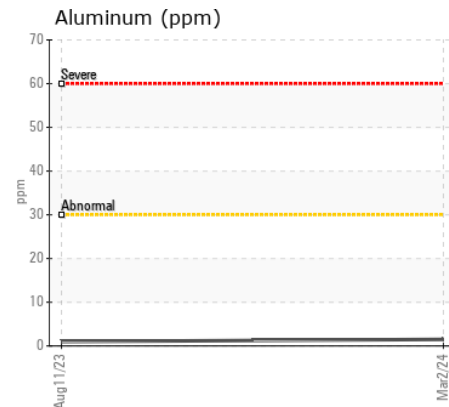
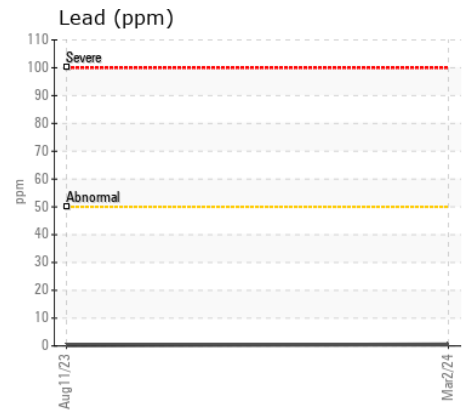
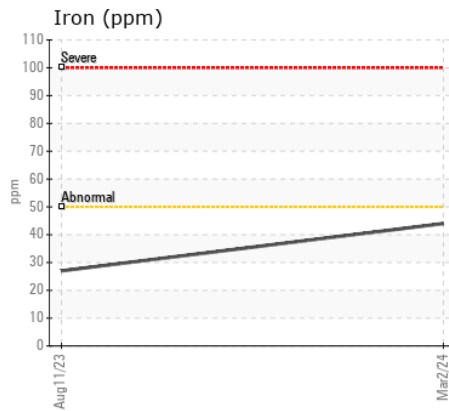
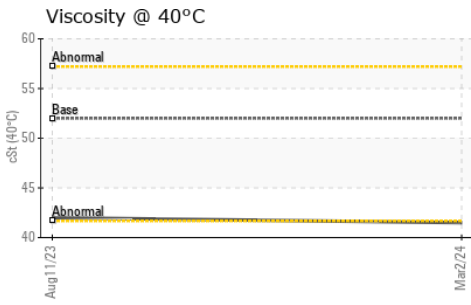
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>50	19	17	---
Potassium	ppm	ASTM D5185(m)	>20	2	1	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	VLITE	---
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 fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		7	7	---
Boron	ppm	ASTM D5185(m)	100	113	114	---
Barium	ppm	ASTM D5185(m)	0	0	0	---
Molybdenum	ppm	ASTM D5185(m)	0	0	0	---
Manganese	ppm	ASTM D5185(m)		<1	<1	---
Magnesium	ppm	ASTM D5185(m)	0	9	8	---
Calcium	ppm	ASTM D5185(m)	3800	3656	3778	---
Phosphorus	ppm	ASTM D5185(m)	1200	1378	1427	---
Zinc	ppm	ASTM D5185(m)	1500	1510	1611	---
Sulfur	ppm	ASTM D5185(m)	6500	4673	4080	---
Visc @ 40°C	cSt	ASTM D7279(m)	52.0	41.5	42.0	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : VCP394274 **Received** : 06 Mar 2024  
**Lab Number** : 02620261 **Tested** : 06 Mar 2024  
**Unique Number** : 5737371 **Diagnosed** : 06 Mar 2024 - Kevin Marson  
**Test Package** : MOB 1

**Strongco Equipment**  
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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.