



# VOLVO

## OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**A&A AGGREGATES [8000402955]**

Machine Id  
**VOLVO L110H 632079**

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		<b>VCP379577</b>	VCP392984	VCP394513
Sample Date		Client Info		<b>30 Apr 2024</b>	10 Nov 2023	19 Aug 2023
Machine Age	hrs	Client Info		<b>5051</b>	4509	4003
Oil Age	hrs	Client Info		<b>1000</b>	506	2000
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Changed
Filter Changed		Client Info		<b>Not Changed</b>	N/A	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	<b>60</b>	49	102
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	2
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>30	<b>2</b>	2	2
Lead	ppm	ASTM D5185(m)	>50	<b>0</b>	<1	0
Copper	ppm	ASTM D5185(m)	>120	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

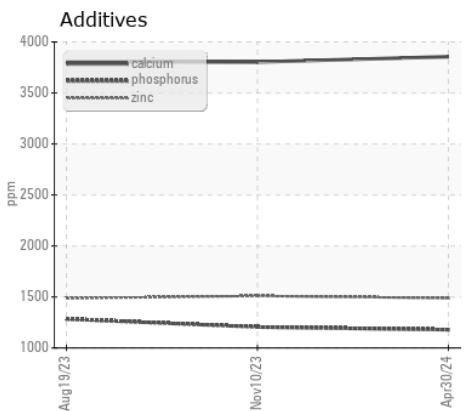
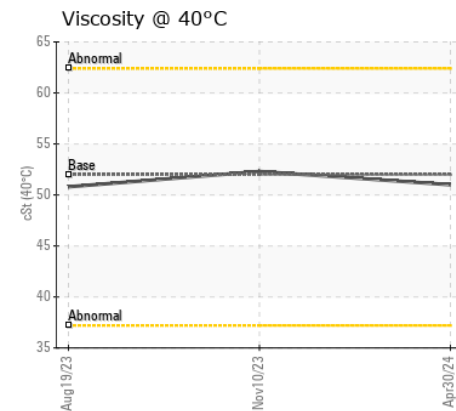
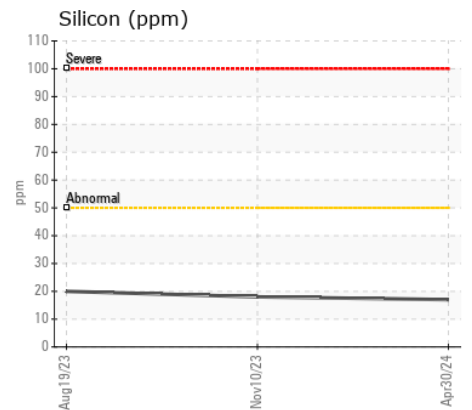
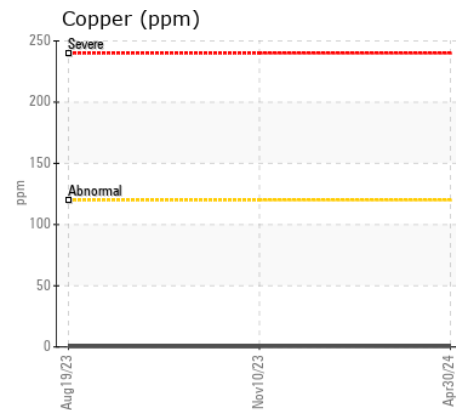
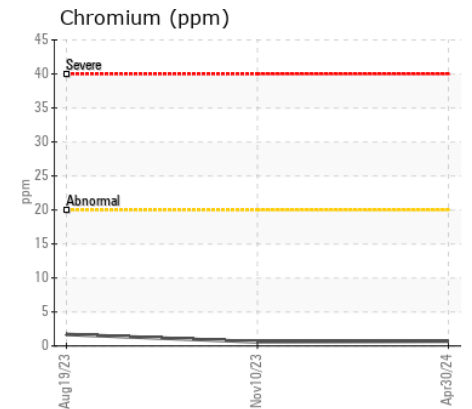
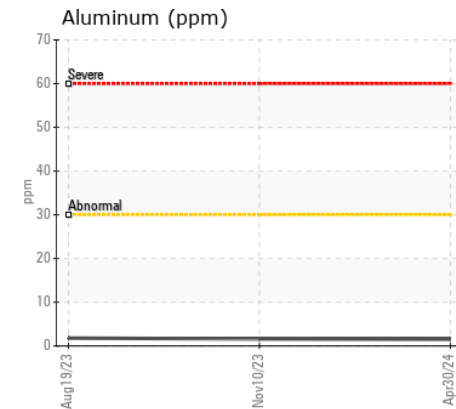
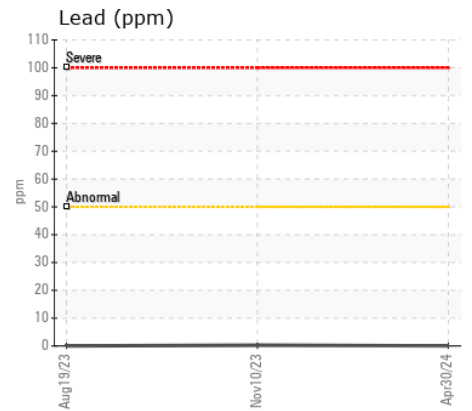
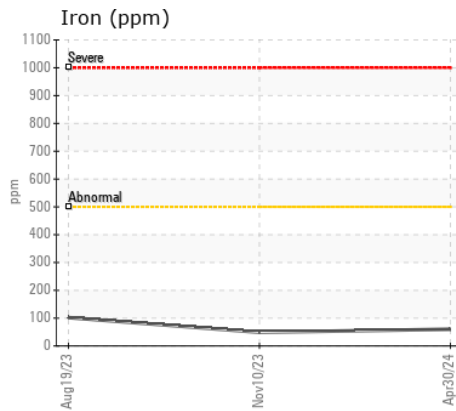
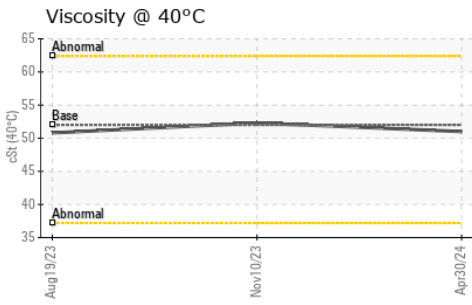
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	<b>17</b>	18	20
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	<1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	3
Boron	ppm	ASTM D5185(m)	100	<b>110</b>	112	114
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	<1	2
Manganese	ppm	ASTM D5185(m)		<b>1</b>	<1	3
Magnesium	ppm	ASTM D5185(m)	0	<b>19</b>	17	21
Calcium	ppm	ASTM D5185(m)	3800	<b>3855</b>	3803	3807
Phosphorus	ppm	ASTM D5185(m)	1200	<b>1179</b>	1205	1284
Zinc	ppm	ASTM D5185(m)	1500	<b>1488</b>	1510	1486
Sulfur	ppm	ASTM D5185(m)	6500	<b>4014</b>	4197	4073
Visc @ 40°C	cSt	ASTM D7279(m)	52.0	<b>51.0</b>	52.3	50.8



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : VCP379577  
**Lab Number** : 02633212  
**Unique Number** : 5774365  
**Test Package** : MOB 1  
**Received** : 03 May 2024  
**Tested** : 03 May 2024  
**Diagnosed** : 03 May 2024 - Kevin Marson

**STRONGCO EQUIPMENT INC.**  
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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.