



# VOLVO

## OIL ANALYSIS REPORT

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



Area  
**[402717]**  
Machine Id  
**16-8810**  
Component  
**Transmission (Auto)**  
Fluid  
**VOLVO AT 102 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP394263</b>	VCP379972	VCP381704
Sample Date		Client Info		<b>14 May 2024</b>	22 Nov 2023	18 May 2023
Machine Age	hrs	Client Info		<b>9496</b>	8934	8009
Oil Age	hrs	Client Info		<b>500</b>	0	2000
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Changed
Filter Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Changed
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>160	<b>95</b>	78	▲ 267
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	<1	1
Lead	ppm	ASTM D5185(m)	>50	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>225	<b>2</b>	2	7
Tin	ppm	ASTM D5185(m)	>10	<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

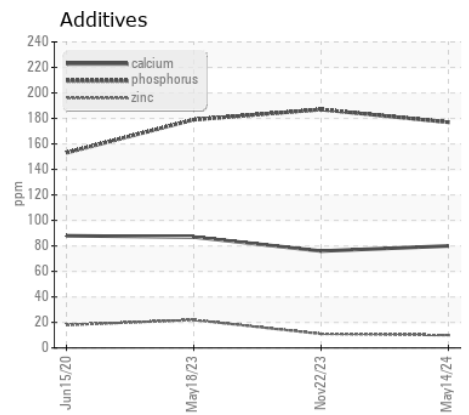
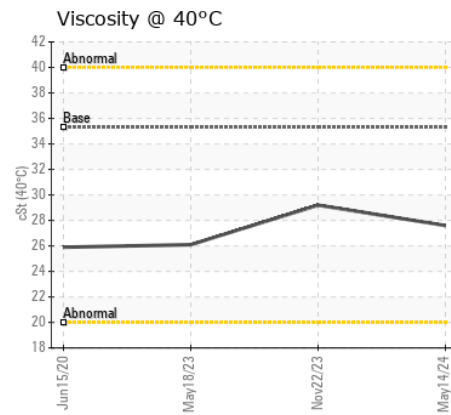
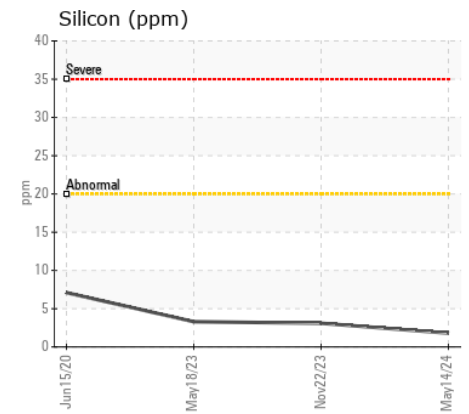
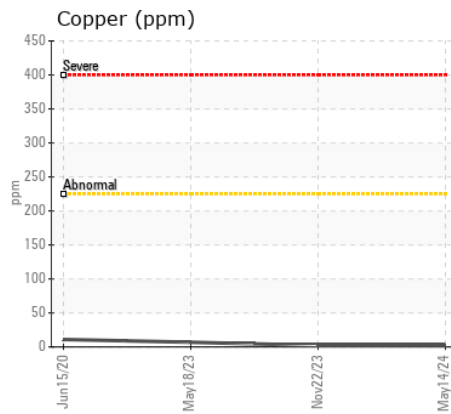
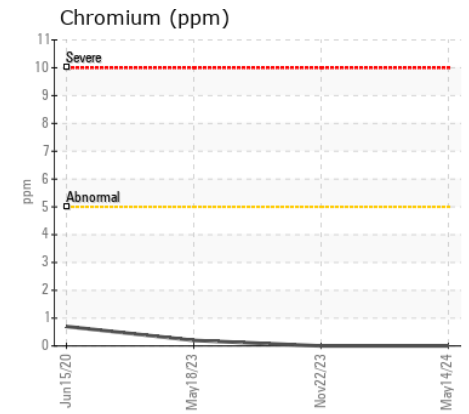
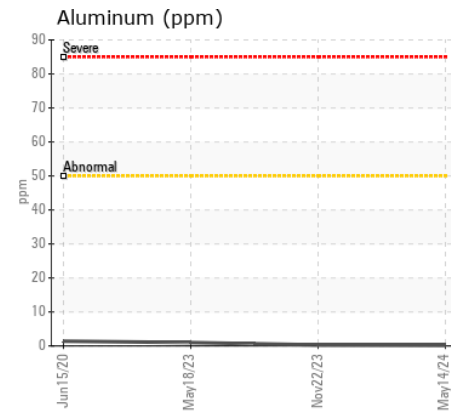
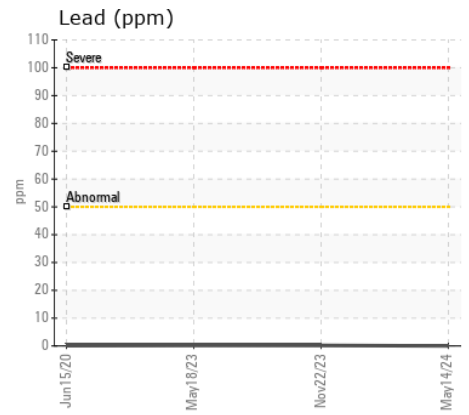
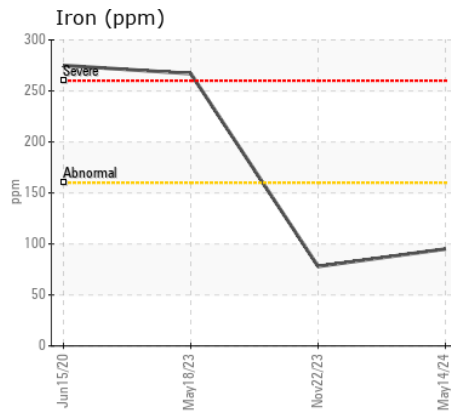
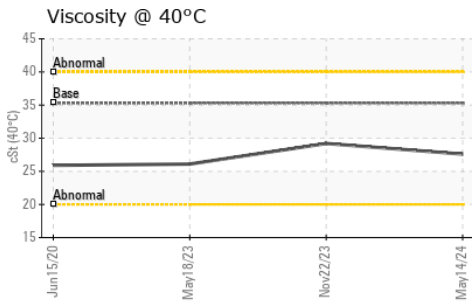
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	<b>2</b>	3	3
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>VLITE</b>	VLITE	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*	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<b>1</b>	1	3
Boron	ppm	ASTM D5185(m)	187	<b>80</b>	81	58
Barium	ppm	ASTM D5185(m)	0.0	<b>&lt;1</b>	<1	<1
Molybdenum	ppm	ASTM D5185(m)	0.0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)	0.0	<b>&lt;1</b>	<1	4
Magnesium	ppm	ASTM D5185(m)	6.8	<b>1</b>	<1	2
Calcium	ppm	ASTM D5185(m)	215	<b>80</b>	76	87
Phosphorus	ppm	ASTM D5185(m)	445	<b>177</b>	187	179
Zinc	ppm	ASTM D5185(m)	56	<b>10</b>	11	22
Sulfur	ppm	ASTM D5185(m)	1336	<b>1619</b>	1635	1601
Visc @ 40°C	cSt	ASTM D7279(m)	35.3	<b>27.6</b>	29.2	26.1



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : VCP394263  
**Lab Number** : 02637215  
**Unique Number** : 5786377  
**Test Package** : MOB 1  
**Received** : 23 May 2024  
**Tested** : 23 May 2024  
**Diagnosed** : 23 May 2024 - Wes Davis

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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.