



# COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area

[142229]

Machine Id

**VOLVO PENTA WALLACEBURG WTP**

Component

**Coolant**

Fluid

**CONVENTIONAL COOLANT (40 LTR)**

## RECOMMENDATION

The fluid is suitable for further service. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0919632	WC0668149	WC0572427
Sample Date		Client Info		05 Apr 2024	27 Apr 2022	26 Apr 2021
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	SEVERE

## CORROSION

All metal levels are normal indicating no corrosion in the cooling system.

Iron	ppm	ASTM D5185(m)	>15	0	1	<1
Aluminum	ppm	ASTM D5185(m)	>10	<1	3	<1
Copper	ppm	ASTM D5185(m)	>10	7	▲ 15	2
Lead	ppm	ASTM D5185(m)	>10	0	<1	<1
Tin	ppm	ASTM D5185(m)	>10	0	0	▲ 41
Silver	ppm	ASTM D5185(m)	>10	<1	<1	<1
Zinc	ppm	ASTM D5185(m)	>10	<1	1	<1

## CONTAMINANTS

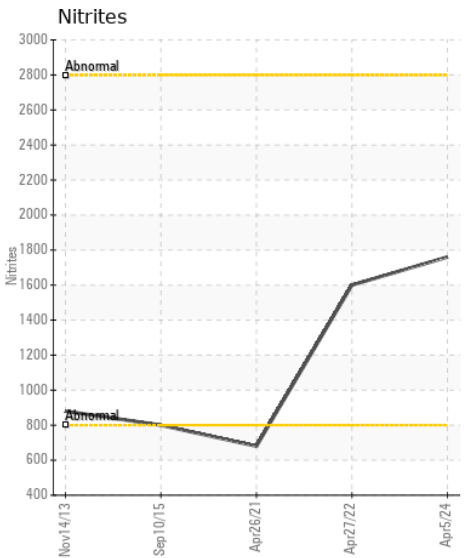
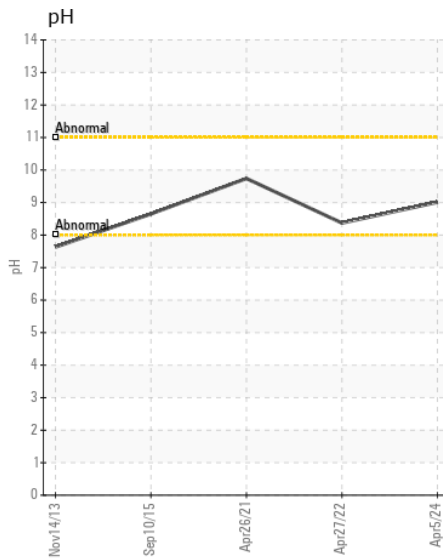
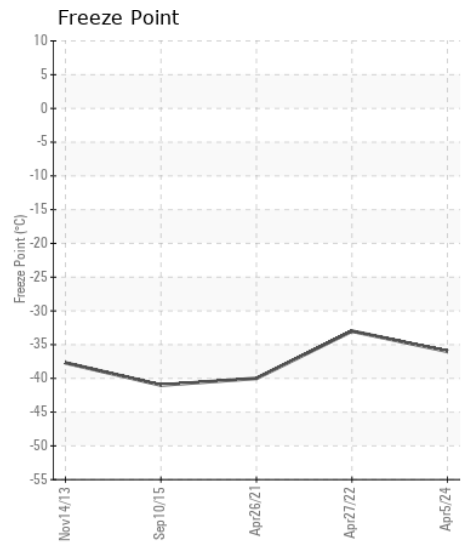
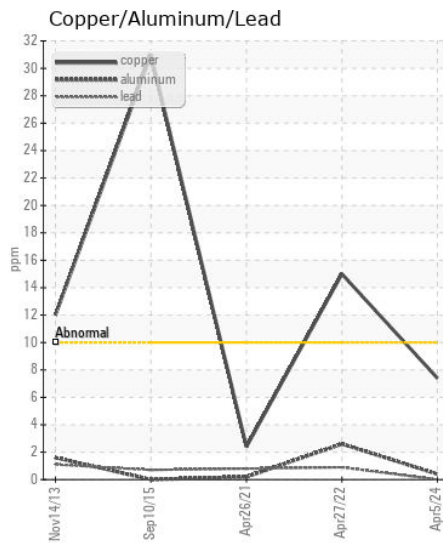
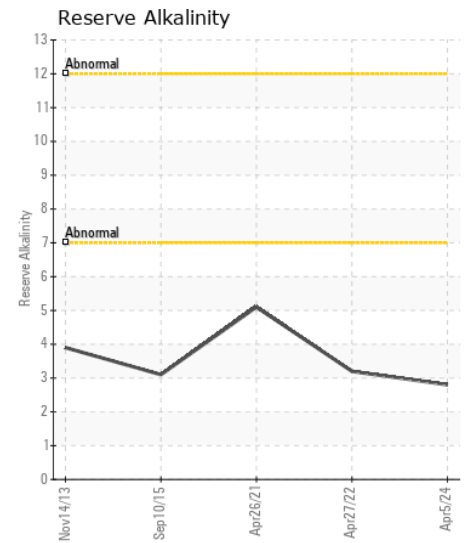
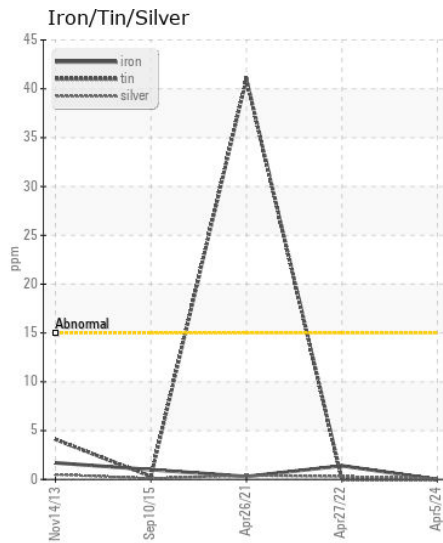
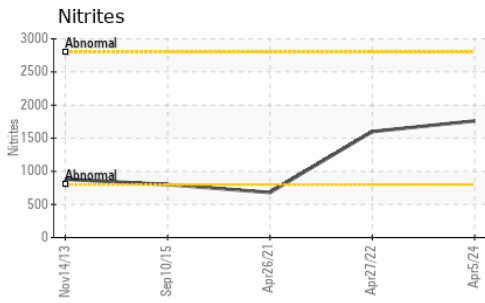
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	1	3	<1
Magnesium	ppm	ASTM D5185(m)	>40	<1	<1	1
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Coolant Appearance		Visual*	Clear	---	Clear	Clear

## COOLANT CONDITION

The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits.

Boiling Point	°C	WC Method*		107	---	---
Specific Gravity		ASTM D1298*		1.067	1.067	1.070
pH	Scale 0-14	ASTM D1287*	9.5	9.01	8.37	9.74
Nitrites	ppm	Alcan Test Kit*	1500	1760	1600	▲ 680
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	2.8	3.2	▲ 5.1
Percentage Glycol	%	ASTM D3321*	50	49.5	49.9	52.0
Freezing Point	°C	ASTM D3321*	-40	-36	-33	-40
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		11	17	3
Phosphorus	ppm	ASTM D5185(m)		47	92	504
Boron	ppm	ASTM D5185(m)		171	320	239
Molybdenum	ppm	ASTM D5185(m)		10	59	2
Sodium	ppm	ASTM D5185(m)		1608	1660	1892
Potassium	ppm	ASTM D5185(m)		256	640	673
Coolant Color		Visual*	Green	---	Grn/Yellow	Green



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0919632 **Received** : 15 Apr 2024  
**Lab Number** : 02629054 **Tested** : 16 Apr 2024  
**Unique Number** : 5762186 **Diagnosed** : 17 Apr 2024 - Kevin Marson  
**Test Package** : COOL ( Additional Tests: GlycolType )

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.

**GENREP LTD**  
 476 HWY 77, R.R. # 3  
 LEAMINGTON, ON  
 CA N8H 3V6  
 Contact: Debbie Johnston  
 djohnston@genrep.com  
 T: (519)325-0202  
 F: (519)322-0026