



VOLVO

COOLANT REPORT

CORROSION

NORMAL

CONTAMINANTS

NORMAL

COOLANT CONDITION

NORMAL



Area
CAVANAGH [394790]
Machine Id
VOLVO EC480EL 314289
Component
Coolant
Fluid
VOLVO COOLANT VCS (YELLOW) (--- GAL)

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		VCP429763	VCP352019	---
Sample Date		Client Info		14 Feb 2024	16 Oct 2022	---
Machine Age	hrs	Client Info		6039	4032	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	N/A	---
Sample Status				NORMAL	NORMAL	---

CORROSION

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

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

CONTAMINANTS

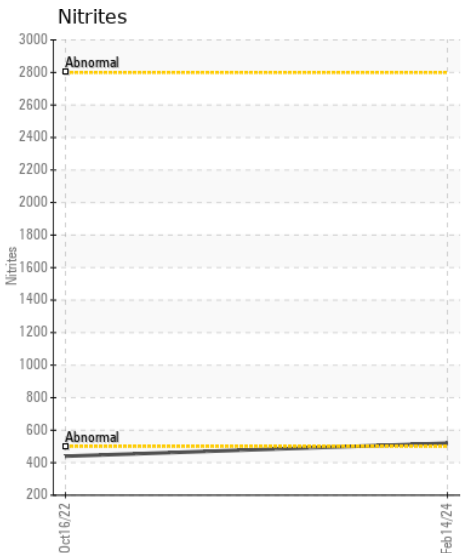
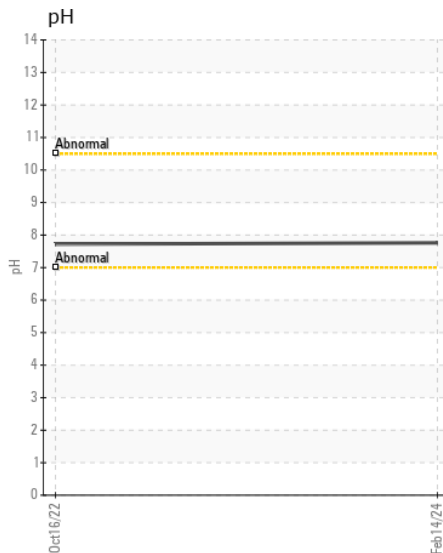
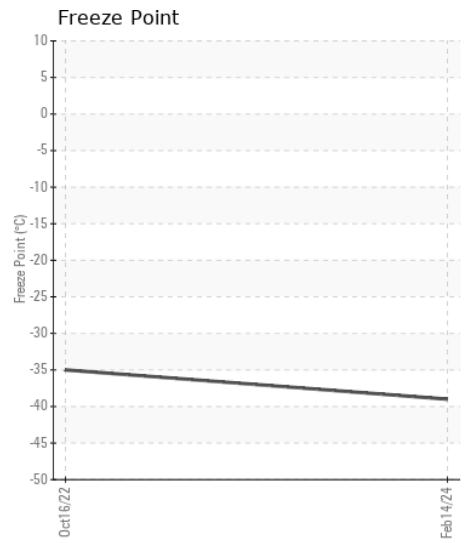
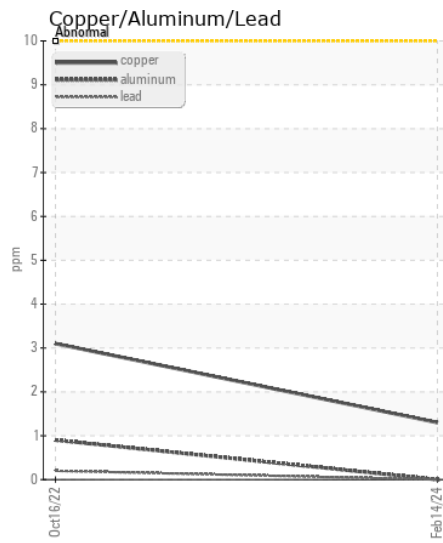
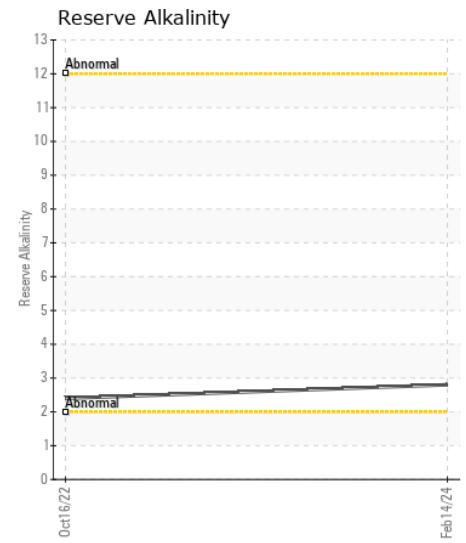
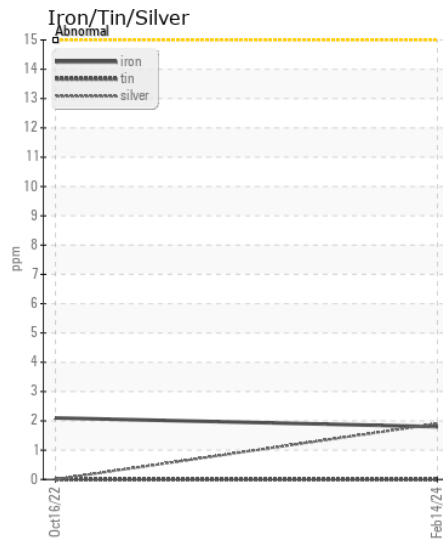
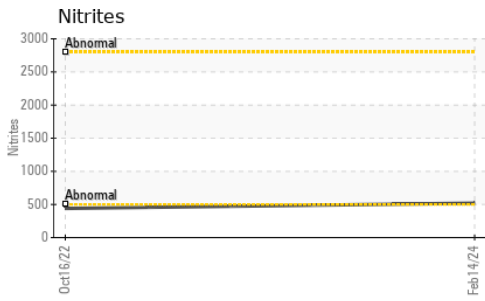
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	2	2	---
Magnesium	ppm	ASTM D5185(m)	>40	2	2	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Coolant Appearance		Visual*	Clear	Clear	Clear	---

COOLANT CONDITION

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

Specific Gravity		ASTM D1298*	1.068	1.069	1.068	---
pH	Scale 0-14	ASTM D1287*	8.6	7.76	7.72	---
Nitrites	ppm	Alcan Test Kit*	0	520	440	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	3.0	2.8	2.4	---
Percentage Glycol	%	ASTM D3321*		51.4	50.5	---
Freezing Point	°C	ASTM D3321*	-35	-39	-35	---
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)	0	39	27	---
Phosphorus	ppm	ASTM D5185(m)	0	98	147	---
Boron	ppm	ASTM D5185(m)	0	316	220	---
Molybdenum	ppm	ASTM D5185(m)		20	6	---
Sodium	ppm	ASTM D5185(m)		3992	1665	---
Potassium	ppm	ASTM D5185(m)		521	496	---
Coolant Color		Visual*	Yellow	Green	Green	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP429763 **Received** : 21 Feb 2024
Lab Number : 02617264 **Tested** : 22 Feb 2024
Unique Number : 5734374 **Diagnosed** : 23 Feb 2024 - Kevin Marson
Test Package : COOL (Additional Tests: GlycolType)

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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.