



CONSTRUCTION EQUIPMENT

CAVANAGH 379797 VOLVO EC380EL 314111 - COOLANT



Sample No: VCP391731
Oil Type: NOT GIVEN
Job No: 379797



SAMPLE INFORMATION

Sample Number	VCP391731	---	---	---
Sample Date	15 Oct 2023	---	---	---
Machine Hours	5475	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO EQUIPMENT

54 IBER ROAD
OTTAWA, ON
CA K2S 1E8

Contact: Jason Hiles
jhiles@strongco.com

T:
F: (613)836-2614



COOLANT CONDITION

Boron	ppm	66	---	---	---
Phosphorus	ppm	8	---	---	---
Sodium	ppm	7576	---	---	---
Potassium	ppm	92	---	---	---
Silicon	ppm	8	---	---	---
pH	Scale 0-14	7.34	---	---	---
Reserve Alkalinity	Scale 0-20	4.2	---	---	---
Molybdenum	ppm	20	---	---	---
Nitrites	ppm	440	---	---	---
Percentage Glycol	%	55.6	---	---	---
Freezing Point	°C	-47	---	---	---

Diagnosis

We recommend drain system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's specifications. We recommend an early resample to monitor this condition. Copper ppm levels are abnormal. The high metal levels indicate corrosion in the system. There is no indication of any contamination in the coolant. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.



CONTAMINATION

Magnesium	ppm	4	---	---	---
Calcium	ppm	12	---	---	---
Coolant Appearance		Clear	---	---	---
Coolant Color		Orange	---	---	---
Sand/Dirt	scalar	NONE	---	---	---
Debris	scalar	NONE	---	---	---
Precipitate	scalar	NONE	---	---	---
Silt	scalar	NONE	---	---	---



CORROSION

Iron	ppm	0	---	---	---
Aluminum	ppm	2	---	---	---
Copper	ppm	33	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---

Depot: SHESTI
Unique No: 5669371
Signed: Kevin Marson
Report Date: 30 Oct 2023



CONSTRUCTION EQUIPMENT

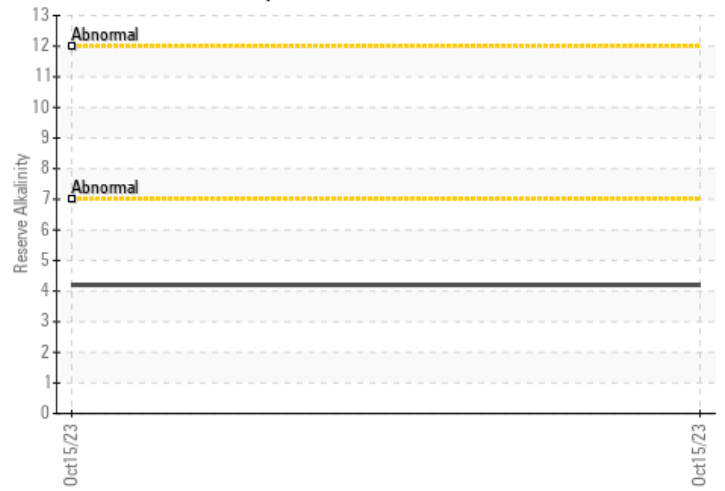


VOLVO GRAPHS

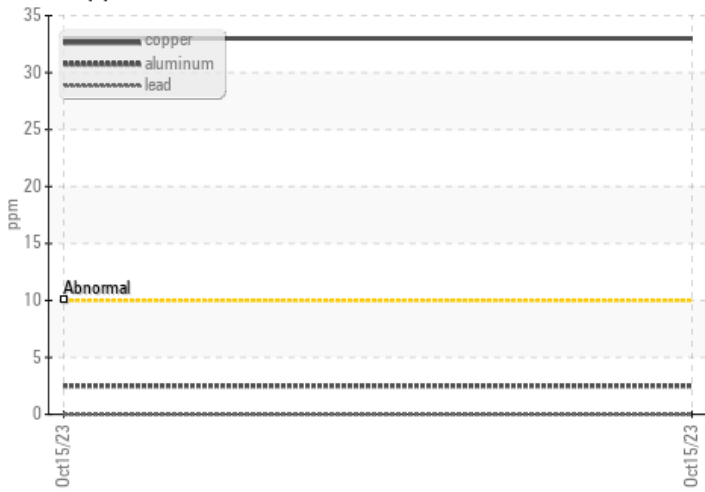
Iron/Tin/Silver



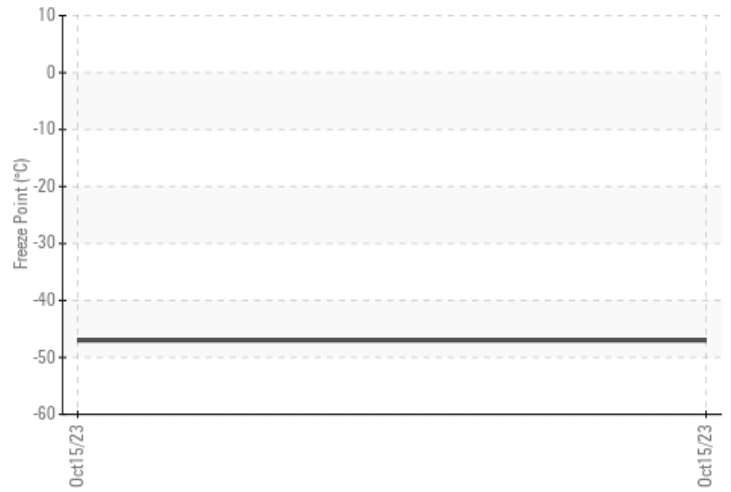
Reserve Alkalinity



Copper/Aluminum/Lead



Freeze Point



pH



Nitrites

