

# OIL ANALYSIS REPORT



**SWAN VALLEY LODGE 180016795 356432 - COOLANT**

**Sample No:** VPA056207  
**Oil Type:** VOLVO COOLANT (GREEN)

## SAMPLE INFORMATION

Sample Number	VPA056207	---	---	---
Sample Date	12 Dec 2023	---	---	---
Machine Hours	681	---	---	---
Sample Status	ABNORMAL	---	---	---

**CULLEN DIESEL POWER - 695335**

9300 192 ST  
 SURREY, BC  
 CA V4N 3R8

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## COOLANT CONDITION

Boron	ppm	459	---	---	---
Phosphorus	ppm	67	---	---	---
Sodium	ppm	6757	---	---	---
Potassium	ppm	198	---	---	---
Silicon	ppm	24	---	---	---
pH	Scale 0-14	7.47	---	---	---
Reserve Alkalinity	Scale 0-20	3.3	---	---	---
Molybdenum	ppm	17	---	---	---
Nitrites	ppm	680	---	---	---
Percentage Glycol	%	49.6	---	---	---
Freezing Point	°C	-33	---	---	---

## 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. Recommend that you ensure the same technology coolant is being used for make-up. Resample at the next service interval to monitor. All metal levels are normal indicating no corrosion in the cooling system. Sediment present. The coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. The nitrites levels are too high which leads to additive drop-out and scale formation. The reserve alkalinity of this fluid is higher than acceptable indicating the coolant is over-concentrated. The specific gravity is lower than typical indicating the addition of a different type of coolant. The pH level of this fluid is within the acceptable limits.

## CONTAMINATION

Magnesium	ppm	2	---	---	---
Calcium	ppm	13	---	---	---
Coolant Appearance		Cloudy	---	---	---
Coolant Color		Red	---	---	---
Sand/Dirt	scalar	NONE	---	---	---
Debris	scalar	NONE	---	---	---
Precipitate	scalar	NONE	---	---	---
Silt	scalar	VLITE	---	---	---

## CORROSION

Iron	ppm	7	---	---	---
Aluminum	ppm	<1	---	---	---
Copper	ppm	5	---	---	---
Lead	ppm	3	---	---	---
Tin	ppm	0	---	---	---

**Depot:** CULSUR  
**Unique No:** 5708409  
**Signed:** Kevin Marson  
**Report Date:** 10 Jan 2024

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# VOLVO PENTA

## GRAPHS

