

OIL ANALYSIS REPORT

**VOLVO
PENTA**

180016452 MTU 535201187 - COOLANT

Sample No: VPA055671

Oil Type: DETROIT EXTRA LIFE RED

SAMPLE INFORMATION

Sample Number	VPA055671	---	---	---
Sample Date	21 Nov 2023	---	---	---
Machine Hours	634	---	---	---
Sample Status	NORMAL	---	---	---

COOLANT CONDITION

Boron	ppm	18	---	---	---
Phosphorus	ppm	4	---	---	---
Sodium	ppm	5957	---	---	---
Potassium	ppm	7472	---	---	---
Silicon	ppm	4	---	---	---
pH	Scale 0-14	8.49	---	---	---
Reserve Alkalinity	Scale 0-20	2.8	---	---	---
Molybdenum	ppm	163	---	---	---
Nitrites	ppm	520	---	---	---
Percentage Glycol	%	50.6	---	---	---
Freezing Point	°C	-35	---	---	---

CONTAMINATION

Magnesium	ppm	4	---	---	---
Calcium	ppm	16	---	---	---
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	1	---	---	---
Copper	ppm	0	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---

CULLEN DIESEL POWER - 695335

9300 192 ST

SURREY, BC

CA V4N 3R8

Contact: Michelle Sayers

mns@cullendiesel.com

T: (604)888-1211

F:

Diagnosis

The fluid is suitable for further service. Resample at the next service interval to monitor. All metal levels are normal indicating no corrosion in the cooling system. There is no indication of any contamination in the coolant. The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

Depot: CULSUR

Unique No: 5696721

Signed: Kevin Marson

Report Date: 18 Dec 2023

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GRAPHS

