

OIL ANALYSIS REPORT

VOLVO PENTA

MARTINELLI VOLVO PENTA 2006005345 - STARBOARD COOLANT

Sample No: VPA054232
Oil Type: VOLVO COOLANT (GREEN)

SAMPLE INFORMATION

Sample Number	VPA054232	---	---	---
Sample Date	31 May 2024	---	---	---
Machine Hours	9714	---	---	---
Sample Status	SEVERE	---	---	---

COOLANT CONDITION

Boron	ppm	194	---	---	---
Phosphorus	ppm	12	---	---	---
Sodium	ppm	1455	---	---	---
Potassium	ppm	39	---	---	---
Silicon	ppm	99	---	---	---
pH	Scale 0-14	7.62	---	---	---
Reserve Alkalinity	Scale 0-20	---	---	---	---
Molybdenum	ppm	14	---	---	---
Nitrites	ppm	1012	---	---	---
Percentage Glycol	%	41.0	---	---	---
Freezing Point	°C	-15	---	---	---

CONTAMINATION

Magnesium	ppm	7	---	---	---
Calcium	ppm	6	---	---	---
Coolant Appearance		▲ abnormal	---	---	---
Coolant Color		Black	---	---	---

CORROSION

Iron	ppm	▲ 53	---	---	---
Aluminum	ppm	5	---	---	---
Copper	ppm	▲ 19	---	---	---
Lead	ppm	▲ 22	---	---	---
Tin	ppm	1	---	---	---

SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6
SARASOTA, FL
US 34240

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Diagnosis

We recommend drain/flush system, and refill with 50/50 antifreeze water mixture. We recommend an early resample to monitor this condition. Metal levels are high indicating corrosion in the cooling system. Appearance is unacceptable. There is a high amount of visible sediment present in the sample. Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.

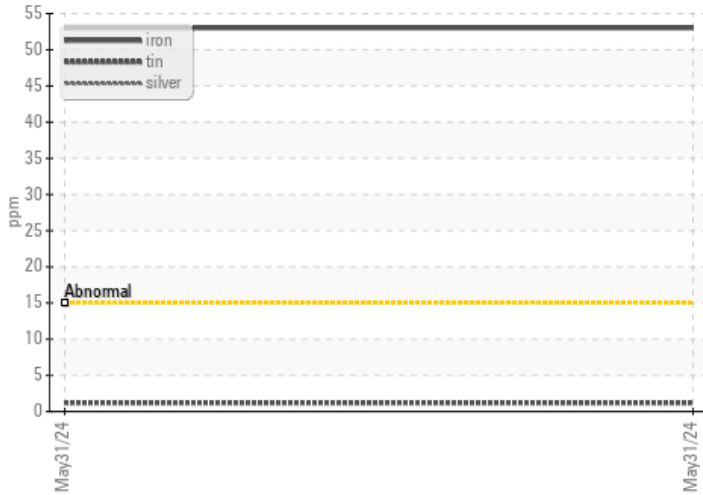
Depot: VP705283
Unique No: 11069429
Signed: Doug Bogart
Report Date: 07 Jun 2024

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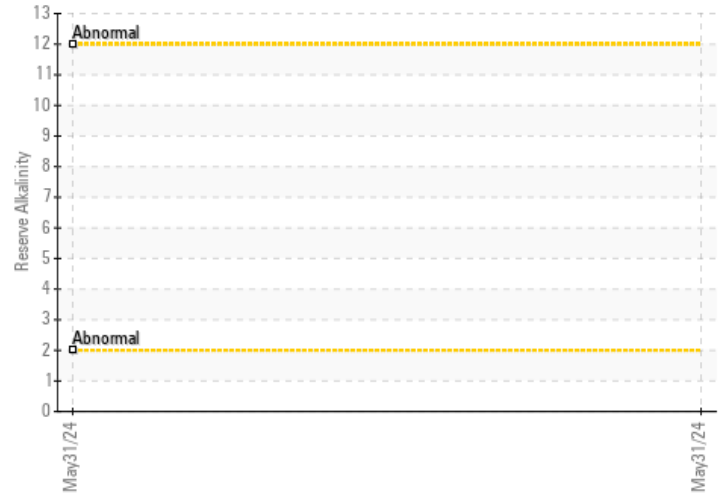
VOLVO PENTA

GRAPHS

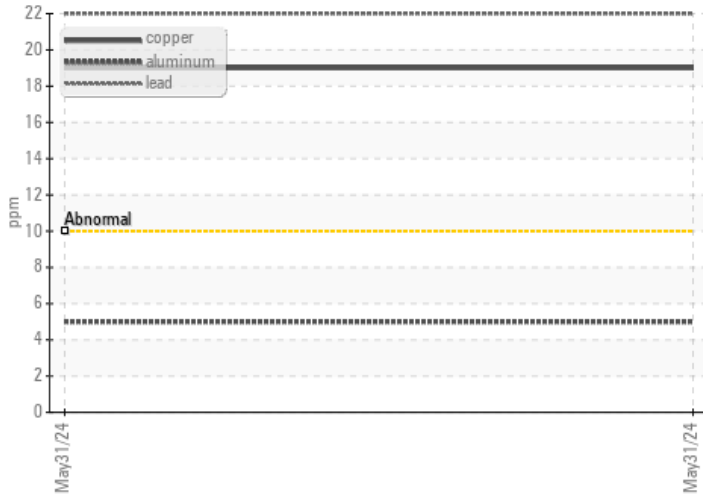
▲ Iron/Tin/Silver



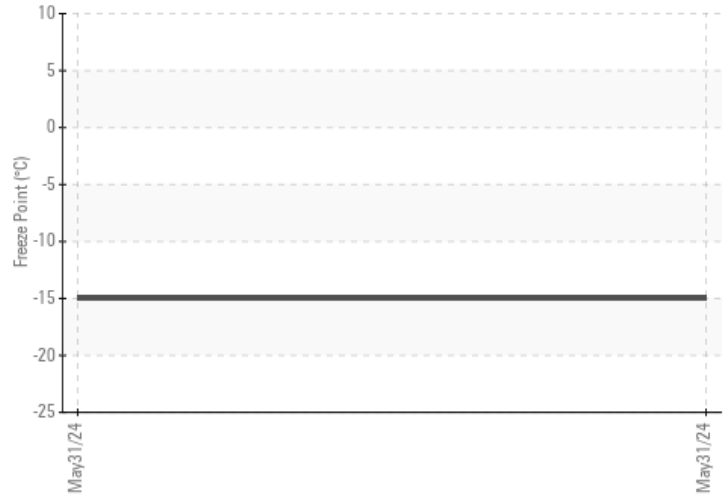
Reserve Alkalinity



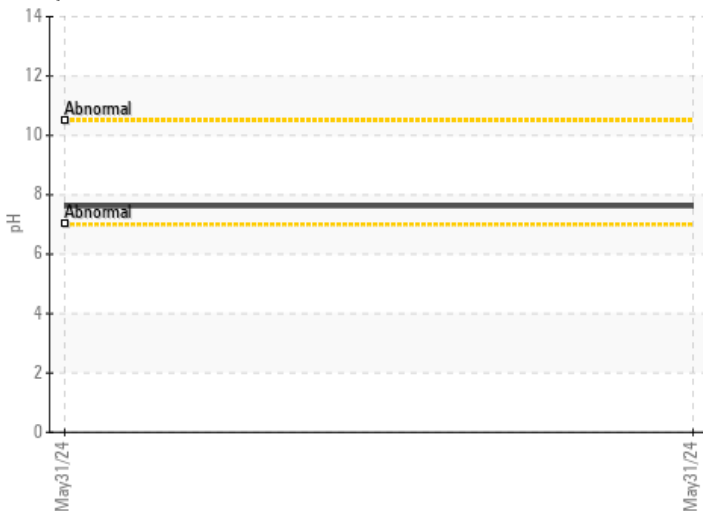
▲ Copper/Aluminum/Lead



Freeze Point



pH



Nitrites

