

OIL ANALYSIS REPORT

VOLVO PENTA

DAVID BELL KOHLER 2082039 - COOLANT

Sample No: VPA058636

Oil Type: EXTENDED LIFE COOLANT

SAMPLE INFORMATION

Sample Number	VPA058636	---	---	---
Sample Date	07 Jun 2024	---	---	---
Machine Hours	4921	---	---	---
Sample Status	NORMAL	---	---	---

COOLANT CONDITION

pH	Scale 0-14	■ 8.08	---	---	---
Reserve Alkalinity	Scale 0-20	---	---	---	---
Nitrites	ppm	■ NT	---	---	---
Percentage Glycol	%	■ 45.4	---	---	---
Freezing Point	°C	■ -24	---	---	---

CONTAMINATION

Coolant Appearance	normal	---	---	---
Coolant Color	Red	---	---	---

MARINE EVOLUTIONS

6831 HILL PARK DR
LORTON, VA
US 22079

Contact: TIM STAPLES
tim@marineevolutions.com
T: (703)345-0365

F:

Diagnosis

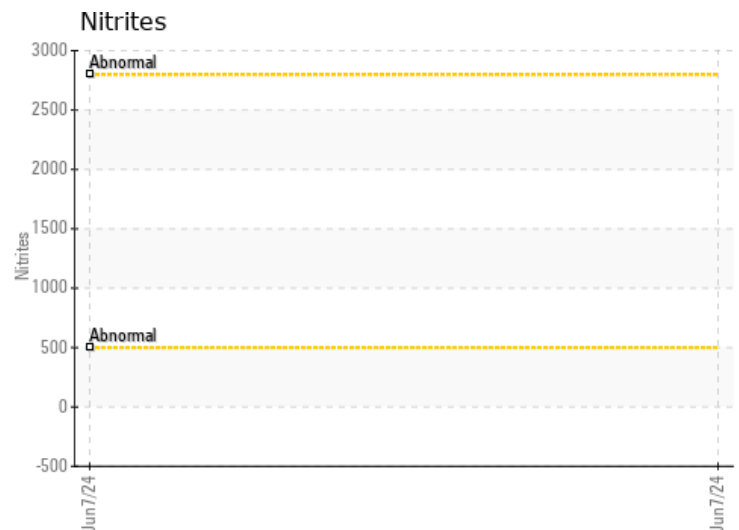
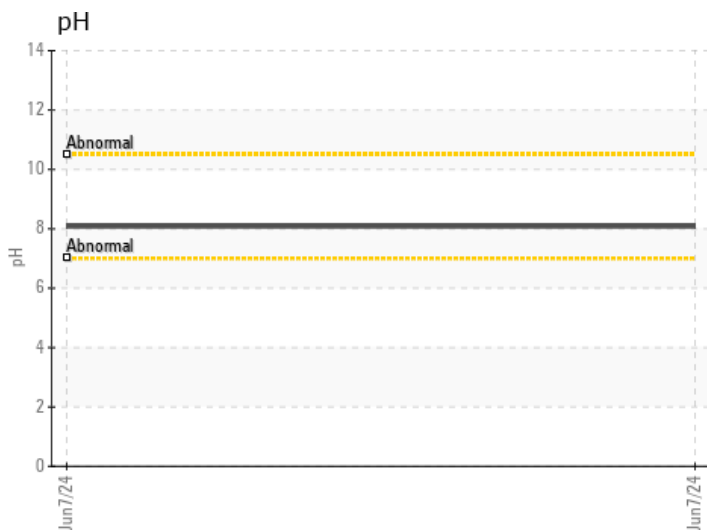
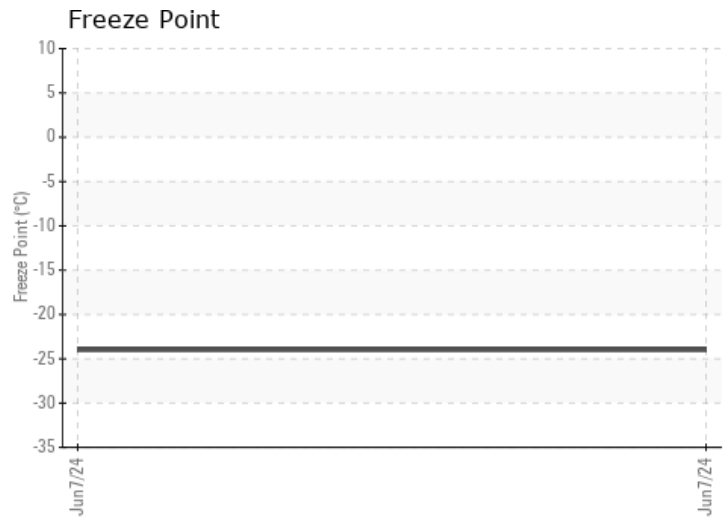
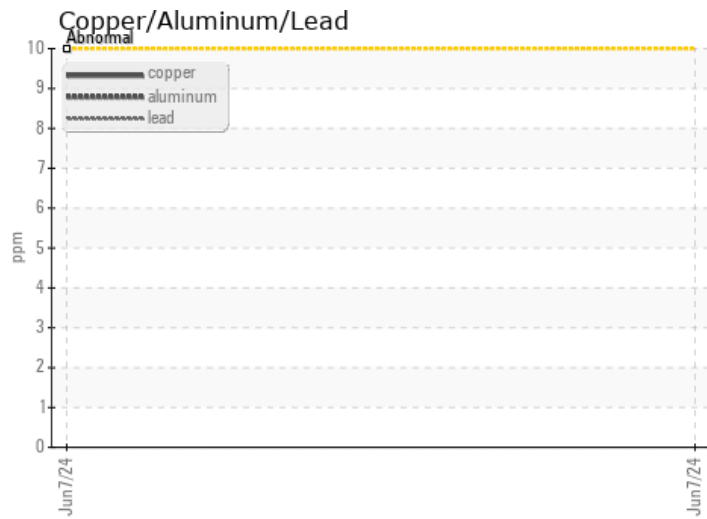
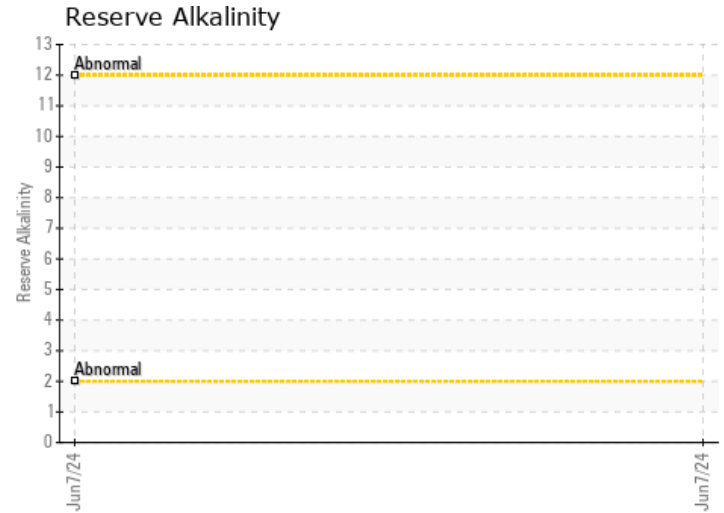
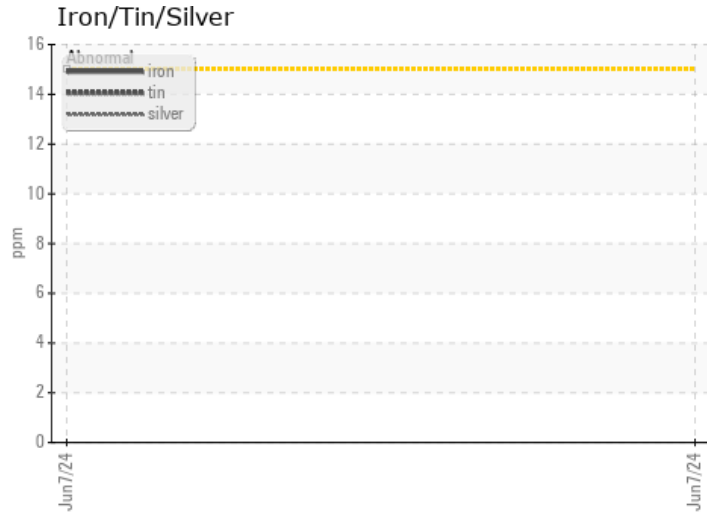
No corrective action is recommended at this time. The fluid is suitable for further service. There is no indication of any contamination in the coolant. Carboxylate test failed. The glycol level is acceptable. The pH level of this fluid is within the acceptable limits.

Depot: VP446360
Unique No: 11075705
Signed: Angela Borella
Report Date: 14 Jun 2024

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GRAPHS



OIL ANALYSIS REPORT

**VOLVO
PENTA**

DAVID BELL KOHLER 2082039 - GENSET

Sample No: VPA058644

Oil Type: ROTELLA?

SAMPLE INFORMATION

Sample Number	VPA058644	---	---	---
Sample Date	07 Jun 2024	---	---	---
Machine Hours	4921	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

MARINE EVOLUTIONS

6831 HILL PARK DR
LORTON, VA
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Contact: TIM STAPLES
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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 14.1	---	---	---
Base Number (BN)	mg KOH/g	9.1	---	---	---
Oxidation (PA)	%	63	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	50	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 4	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ < 1	---	---	---
Lead	ppm	█ < 1	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	32	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	< 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	< 1	---	---	---

ADDITIVES

Calcium	ppm	1598	---	---	---
Magnesium	ppm	344	---	---	---
Zinc	ppm	1126	---	---	---
Phosphorus	ppm	982	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	104	---	---	---

Depot: VP446360
Unique No: 11075061
Signed: Angela Borella
Report Date: 14 Jun 2024

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VOLVO PENTA

GRAPHS

