

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GIMPLE GIMPLE VOLVO PENTA 70112030107 - PORT DIESEL ENGINE

Sample No: VPA058285

Oil Type: {unknown}

### SAMPLE INFORMATION

Sample Number	VPA058285	---	---	---
Sample Date	30 Apr 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	MARGINAL	---	---	---

#### Harry's Marine Service LLC

1141 N. Citrus St.

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US 92887

Contact: TARAH AULD

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T: (714)771-7899

F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 10.66	---	---	---
Base Number (BN)	mg KOH/g	█ 7.6	---	---	---
Oxidation (PA)	%	55	---	---	---

### Diagnosis

No corrective action is recommended at this time. All component wear rates are normal. Fuel content negligible. Elemental level of silicon (Si) above normal indicating ingress of seal material. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type. The condition of the oil is acceptable for the time in service.

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	62	---	---	---
Sulfation (PA)	%	49	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 2.5	---	---	---
Silicon	ppm	▲ 38	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 4	---	---	---

### WEAR METALS

Iron	ppm	█ 13	---	---	---
Copper	ppm	█ 71	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 80	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1876	---	---	---
Magnesium	ppm	█ 201	---	---	---
Zinc	ppm	█ 1122	---	---	---
Phosphorus	ppm	█ 916	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 60	---	---	---

Depot: VP867279

Unique No: 11019150

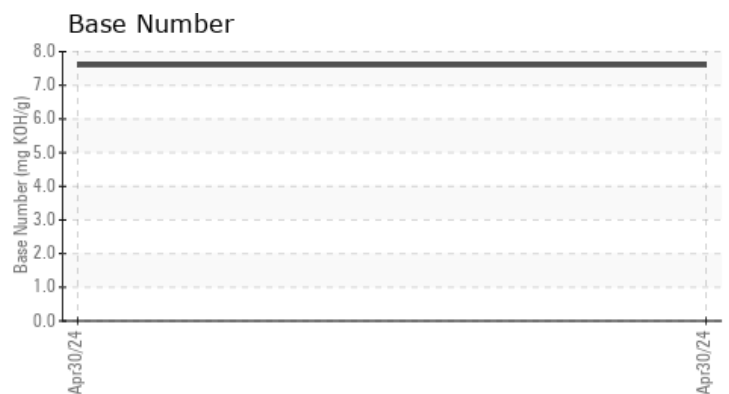
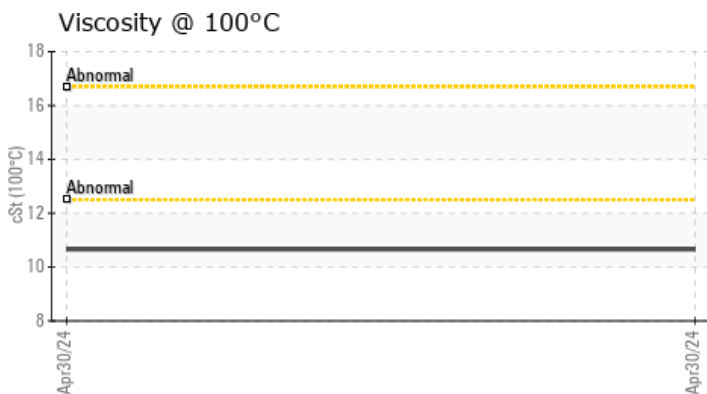
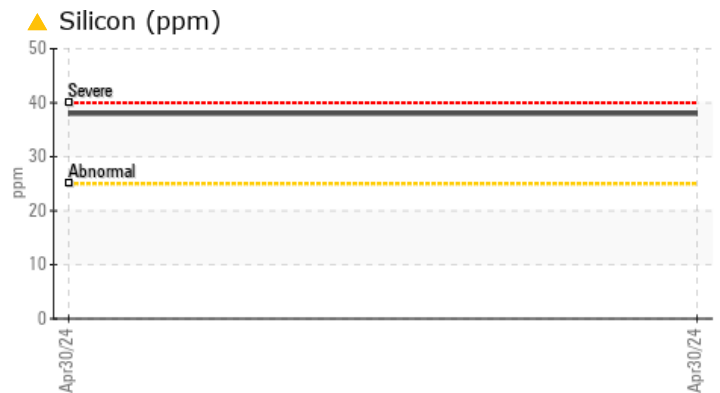
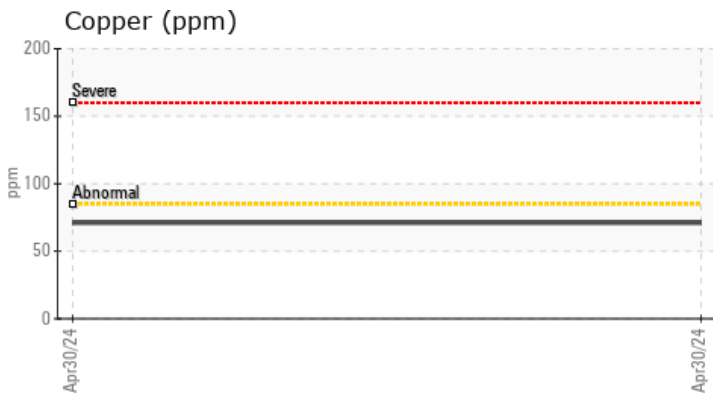
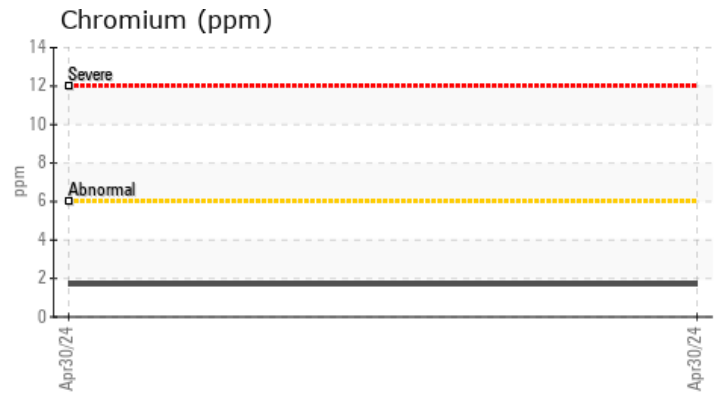
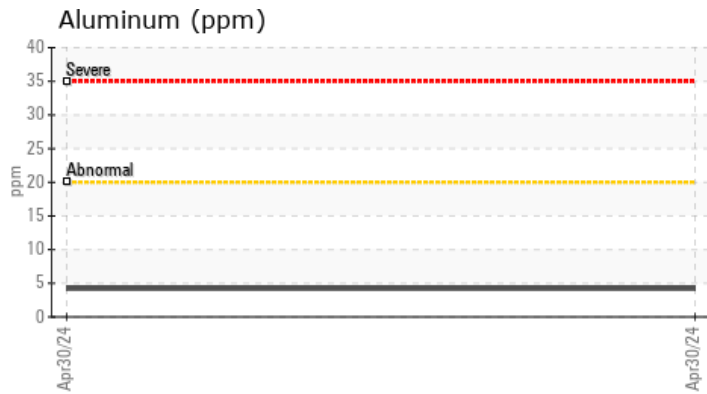
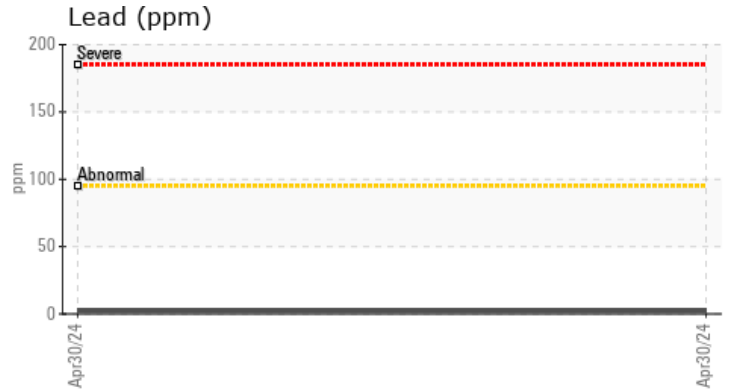
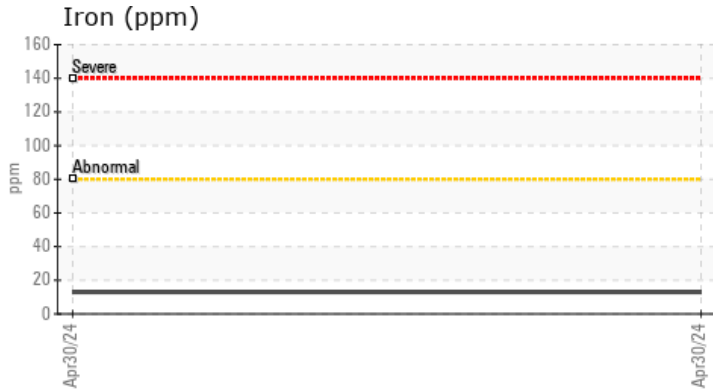
Signed: Doug Bogart

Report Date: 09 May 2024

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GRAPHS



# OIL ANALYSIS REPORT

# VOLVO PENTA

**GIMPLE GIMPLE VOLVO PENTA 70112030107 - PORT IPS**

**Sample No:** VPA046880

**Oil Type:** {unknown}

## SAMPLE INFORMATION

Sample Number	VPA046880	---	---	---
Sample Date	30 Apr 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	■ 103.3	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	5	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 2	---	---	---

## WEAR METALS

PQ		■ 16	---	---	---
Iron	ppm	■ 12	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	22	---	---	---
Magnesium	ppm	135	---	---	---
Zinc	ppm	8	---	---	---
Phosphorus	ppm	1305	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	415	---	---	---

## Diagnosis

No corrective action is recommended at this time. 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 condition of the oil is acceptable for the time in service.

**Depot:** VP867279

**Unique No:** 11019147

**Signed:** Doug Bogart

**Report Date:** 09 May 2024

# OIL ANALYSIS REPORT



## GRAPHS

