

# OIL ANALYSIS REPORT

# VOLVO PENTA

**40342 VOLVO PENTA D040633577 - GENSET**

**Sample No:** VPA051074

**Oil Type:** {unknown}

## SAMPLE INFORMATION

Sample Number	VPA051074	---	---	---
Sample Date	12 Jun 2024	---	---	---
Machine Hours	130	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

## OIL CONDITION

Visc @ 100°C	cSt	▲ 11.7	---	---	---
Base Number (BN)	mg KOH/g	■ 6.9	---	---	---
Oxidation (PA)	%	66	---	---	---

## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.2	---	---	---
Nitration (PA)	%	62	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 9.1	---	---	---
Silicon	ppm	■ 17	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 3	---	---	---

## WEAR METALS

Iron	ppm	■ 9	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	80	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	1397	---	---	---
Magnesium	ppm	325	---	---	---
Zinc	ppm	1107	---	---	---
Phosphorus	ppm	914	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	510	---	---	---

### TRUE NORTH MARINE

1206 MARINA BAY DR  
CLEAR LAKE SHORES, TX  
US 77565

Contact: Eric Basdekis  
e.basdekis@truenorth-marine.com

T:  
F:

### Diagnosis

We advise that you check the fuel injection system. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

**Depot:** VP975860

**Unique No:** 11075932

**Signed:** Jonathan Hester

**Report Date:** 19 Jun 2024

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GRAPHS

