

# OIL ANALYSIS REPORT

# VOLVO PENTA

**33995 28562R - STARBOARD GEAR UNIT**

**Sample No:** VPA056644

**Oil Type:** ATF

## SAMPLE INFORMATION

Sample Number	VPA056644	---	---	---
Sample Date	01 Dec 2023	---	---	---
Machine Hours	186	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	SEVERE	---	---	---

**Crates Lake Country Boats**

PO Box 805

ORILLIA, ON

CA L3V 6H1

Contact: Drew Watson

## OIL CONDITION

Visc @ 40°C	cSt	■ 22.8	---	---	---
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T:

F:

## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 13	---	---	---
Sodium	ppm	■ 11	---	---	---
Potassium	ppm	■ 9	---	---	---

## Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Copper and lead ppm levels are severe. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

## WEAR METALS

PQ		■ 0	---	---	---
Iron	ppm	■ 38	---	---	---
Copper	ppm	● 358	---	---	---
Lead	ppm	● 418	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminium	ppm	■ 4	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	■ 443	---	---	---
Magnesium	ppm	■ 5	---	---	---
Zinc	ppm	■ 170	---	---	---
Phosphorus	ppm	■ 489	---	---	---
Barium	ppm	629	---	---	---
Boron	ppm	173	---	---	---

**Depot:** VP491600

**Unique No:** 5694350

**Signed:** Bill Quesnel

**Report Date:** 07 Dec 2023

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**VOLVO  
PENTA**

## GRAPHS

