

# OIL ANALYSIS REPORT

# VOLVO PENTA

**SEA DUTY JRM 3869275 - 4012153475 - STARBOARD GASOLINE ENGINE**

**Sample No:** VPA047726

**Oil Type:** VOLVO 10W40

## SAMPLE INFORMATION

Sample Number	VPA047726	---	---	---
Sample Date	01 Dec 2023	---	---	---
Machine Hours	598	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

## OIL CONDITION

Visc @ 100°C	cSt	█ 16.1	---	---	---
Base Number (BN)	mg KOH/g	█ 7.5	---	---	---
Oxidation (PA)	%	8	---	---	---

## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	5	---	---	---
Sulfation (PA)	%	8	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 2	---	---	---

## WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	35	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	< 1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	1619	---	---	---
Magnesium	ppm	74	---	---	---
Zinc	ppm	820	---	---	---
Phosphorus	ppm	709	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	4	---	---	---

### The Talaria Company

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### 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.

**Depot:** VP592286

**Unique No:** 10794186

**Signed:** Don Baldrige

**Report Date:** 20 Dec 2023

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## GRAPHS

