

# OIL ANALYSIS REPORT

# VOLVO PENTA

**JASON BIELAS SAM VOLVO PENTA 3194012376 - STARBOARD IPS**

**Sample No:** VPA060498

**Oil Type:** GEAR OIL SAE 75W90

## SAMPLE INFORMATION

Sample Number	VPA060498	VPA042614	---	---
Sample Date	01 Nov 2023	02 Aug 2022	---	---
Machine Hours	892	807	---	---
Oil Hours	0	35	---	---
Oil Changed	Not Changd	Changed	---	---
Sample Status	ATTENTION	NORMAL	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	█ 112	█ 112	---	---
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## CONTAMINATION

Silicon	ppm	█ 11	█ 10	---	---
Sodium	ppm	█ 12	█ 10	---	---
Potassium	ppm	█ <1	█ 0	---	---

## WEAR METALS

PQ		█ 24	█ 19	---	---
Iron	ppm	▲ 211	█ 77	---	---
Copper	ppm	█ 14	█ 6	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 4	█ 2	---	---
Chromium	ppm	█ 1	█ <1	---	---
Molybdenum	ppm	█ 0	█ <1	---	---
Nickel	ppm	█ 2	█ <1	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	<1	---	---
Manganese	ppm	█ 2	█ 2	---	---
Vanadium	ppm	█ 0	█ 0	---	---

## ADDITIVES

Calcium	ppm	█ 11	█ 5	---	---
Magnesium	ppm	█ <1	<1	---	---
Zinc	ppm	█ 47	█ 26	---	---
Phosphorus	ppm	█ 1341	█ 1376	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 279	█ 383	---	---

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VP794951  
**Unique No:** 10727720  
**Signed:** Don Baldrige  
**Report Date:** 07 Nov 2023

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## GRAPHS

