

# OIL ANALYSIS REPORT

# VOLVO PENTA

**ED OELTJEN DANIEL/502899 VOLVO PENTA A460783 - STERNDRIVE - STARBOARD GEARBOX**

**Sample No:** VPA061876

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

## SAMPLE INFORMATION

Sample Number	<b>VPA061876</b>	VPA055425	---	---
Sample Date	<b>15 Apr 2024</b>	27 Mar 2023	---	---
Machine Hours	<b>727</b>	677	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Changed</b>	N/A	---	---
Sample Status	<b>ATTENTION</b>	SEVERE	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	<b>107</b>	111	---	---
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## CONTAMINATION

Water	%	<b>NEG</b>	2.70	---	---
Silicon	ppm	<b>4</b>	9	---	---
Sodium	ppm	<b>3</b>	10	---	---
Potassium	ppm	<b>3</b>	1	---	---

## WEAR METALS

PQ		<b>36</b>	25	---	---
Iron	ppm	<b>74</b>	451	---	---
Copper	ppm	<b>1</b>	4	---	---
Lead	ppm	<b>&lt;1</b>	<1	---	---
Tin	ppm	<b>&lt;1</b>	0	---	---
Aluminum	ppm	<b>13</b>	24	---	---
Chromium	ppm	<b>2</b>	6	---	---
Molybdenum	ppm	<b>0</b>	<1	---	---
Nickel	ppm	<b>12</b>	8	---	---
Titanium	ppm	<b>2</b>	1	---	---
Silver	ppm	<b>&lt;1</b>	0	---	---
Manganese	ppm	<b>2</b>	6	---	---
Vanadium	ppm	<b>0</b>	<1	---	---

## ADDITIVES

Calcium	ppm	<b>2</b>	31	---	---
Magnesium	ppm	<b>2</b>	16	---	---
Zinc	ppm	<b>12</b>	56	---	---
Phosphorus	ppm	<b>1369</b>	1465	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>346</b>	300	---	---

## Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The aluminum level is abnormal. The water content is negligible. 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:** 10990210  
**Signed:** Don Baldrige  
**Report Date:** 23 Apr 2024

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**VOLVO  
PENTA**

## GRAPHS

