

# OIL ANALYSIS REPORT

# VOLVO PENTA

**THOMAS DEYEL 502853/7400 VOLVO PENTA 3582395 - INBOARD - CENTER GEARBOX**

**Sample No:** VPA060425

**Oil Type:** VOLVO PENTA SAE 15W40

## SAMPLE INFORMATION

Sample Number	VPA060425	VPA043239	---	---
Sample Date	09 May 2024	27 Sep 2022	---	---
Machine Hours	2187	600	---	---
Oil Hours	1000	55	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	SEVERE	ATTENTION	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	■ 75.2	■ 79.9	---	---
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## CONTAMINATION

Water	%	▲ 1.38	NEG	---	---
Silicon	ppm	● 23	■ 5	---	---
Sodium	ppm	■ 123	■ 6	---	---
Potassium	ppm	■ 4	■ 3	---	---

## WEAR METALS

PQ		■ 94	■ 14	---	---
Iron	ppm	● 185	■ 23	---	---
Copper	ppm	● 314	● 203	---	---
Lead	ppm	■ 12	■ 6	---	---
Tin	ppm	● 11	■ 1	---	---
Aluminum	ppm	● 5	■ 3	---	---
Chromium	ppm	■ 1	<1	---	---
Molybdenum	ppm	■ 60	■ 91	---	---
Nickel	ppm	■ 0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 3	■ <1	---	---
Vanadium	ppm	0	0	---	---

## ADDITIVES

Calcium	ppm	■ 855	■ 1578	---	---
Magnesium	ppm	■ 856	■ 303	---	---
Zinc	ppm	■ 1069	■ 1206	---	---
Phosphorus	ppm	■ 1162	■ 1155	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 51	■ 527	---	---

## Diagnosis

We advise that you check for the source of water entry. 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. Bearing and/or bushing wear is indicated. Gear wear is indicated. Elemental level of silicon (Si) above normal. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VP794951  
**Unique No:** 11023545  
**Signed:** Don Baldrige  
**Report Date:** 15 May 2024

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## GRAPHS

