

# OIL ANALYSIS REPORT

# VOLVO PENTA

## HOFFMANN WATERSPORTS VOLVO PENTA A446687 - CENTER DIESEL ENGINE

**Sample No:** VPA035573  
**Oil Type:** PROVIDENCE SYNTHETIC 15W40

### SAMPLE INFORMATION

Sample Number	VPA035573	---	---	---
Sample Date	21 Jul 2023	---	---	---
Machine Hours	5885	---	---	---
Oil Hours	110	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**Marco Island Ski & Water Sport**  
1392  
MARCO ISLAND, FL  
US 34146  
Contact: Bradley Cotten  
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T:  
F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 14.9	---	---	---
Base Number (BN)	mg KOH/g	█ 9.8	---	---	---
Oxidation (PA)	%	56	---	---	---

### 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 acceptable for the time in service.

### CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	46	---	---	---
Sulfation (PA)	%	49	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---

### WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ < 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 55	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1035	---	---	---
Magnesium	ppm	█ 875	---	---	---
Zinc	ppm	█ 1152	---	---	---
Phosphorus	ppm	█ 941	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ < 1	---	---	---

**Depot:** VP153258  
**Unique No:** 10578441  
**Signed:** Don Baldrige  
**Report Date:** 02 Aug 2023

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## GRAPHS

