

# OIL ANALYSIS REPORT

# VOLVO PENTA

## 7055/OATD VOLVO PENTA 7008487784 - STARBOARD DIESEL ENGINE

**Sample No:** VPA029925  
**Oil Type:** KENDALL 15W40

### SAMPLE INFORMATION

Sample Number	VPA029925	VPA034949	---	---
Sample Date	26 Sep 2023	07 Oct 2020	---	---
Machine Hours	307	112	---	---
Oil Hours	307	60	---	---
Oil Changed	Not Changd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

### STRONGS YACHT CENTER

5780 W MILL RD  
MATTITUCK, NY  
US 11952  
Contact: WILL KORINEK  
willk@strongsmarine.com  
T: (631)298-4480  
F: (631)298-4126

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	█ 14.0	---	---
Base Number (BN)	mg KOH/g	█ 9.3	---	---	---
Oxidation (PA)	%	49	40	---	---

### CONTAMINATION

Soot %	%	█ 0.2	█ 0.2	---	---
Nitration (PA)	%	43	52	---	---
Sulfation (PA)	%	47	47	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 12	█ 12	---	---
Sodium	ppm	█ 5	█ <1	---	---
Potassium	ppm	█ 4	█ 1	---	---

### 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.

### WEAR METALS

Iron	ppm	█ 10	█ 9	---	---
Copper	ppm	█ 43	█ 37	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 1	█ 1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 75	█ 7	---	---
Nickel	ppm	█ <1	█ 2	---	---
Titanium	ppm	█ <1	█ <1	---	---
Silver	ppm	█ <1	█ <1	---	---
Manganese	ppm	█ 1	█ <1	---	---
Vanadium	ppm	0	0	---	---

### ADDITIVES

Calcium	ppm	█ 1537	█ 2297	---	---
Magnesium	ppm	█ 958	122	---	---
Zinc	ppm	█ 1494	█ 1148	---	---
Phosphorus	ppm	█ 1249	█ 955	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 17	█ 7	---	---

**Depot:** VP1126820  
**Unique No:** 10672651  
**Signed:** Don Baldrige  
**Report Date:** 03 Oct 2023

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## GRAPHS

