

# OIL ANALYSIS REPORT

# VOLVO PENTA

## MIKE ROSSMAN GEOFF VOLVO PENTA A720635 - STARBOARD DIESEL ENGINE

Sample No: VPA061934

Oil Type: VOLVO PENTA SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA061934	VPA056388	---	---
Sample Date	23 May 2024	02 Jun 2023	---	---
Machine Hours	891	823	---	---
Oil Hours	10	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

Endor Marine LLC - Coastal Marine - 152124  
4300 11th Ave. NW  
SEATTLE, WA  
US 98107  
Contact: WILLOW YANARELLA  
service@coastalmarineengine.com  
T: (206)784-3703  
F: (206)784-8823

### OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	█ 13.6	---	---
Base Number (BN)	mg KOH/g	█ 8.3	█ 9.5	---	---
Oxidation (PA)	%	49	63	---	---

### 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.

### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.2	---	---
Nitration (PA)	%	54	52	---	---
Sulfation (PA)	%	49	55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 6	█ 5	---	---
Sodium	ppm	█ 3	█ <1	---	---
Potassium	ppm	█ 5	█ 2	---	---

### WEAR METALS

Iron	ppm	█ 8	█ 11	---	---
Copper	ppm	█ 3	█ 4	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 2	█ 1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	10	█ 53	---	---
Nickel	ppm	█ 1	█ 2	---	---
Titanium	ppm	█ <1	█ 0	---	---
Silver	ppm	█ 1	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	<1	---	---

### ADDITIVES

Calcium	ppm	█ 1224	█ 1107	---	---
Magnesium	ppm	█ 736	█ 984	---	---
Zinc	ppm	838	█ 1344	---	---
Phosphorus	ppm	738	█ 1090	---	---
Barium	ppm	█ <1	█ 0	---	---
Boron	ppm	█ 86	█ 6	---	---

Depot: VP794951  
Unique No: 11048709  
Signed: Don Baldrige  
Report Date: 30 May 2024

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## GRAPHS

