

# OIL ANALYSIS REPORT



## KIMBERLY KITTELSON 505802 VOLVO PENTA 7011435638 - PORT DIESEL ENGINE

**Sample No:** VPA054487  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

### SAMPLE INFORMATION

Sample Number	VPA054487	VPA032963	---	---
Sample Date	07 Feb 2024	11 Feb 2021	---	---
Machine Hours	298	206	---	---
Oil Hours	70	80	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

**Jefferson Beach Yacht Sales Inc**  
 24400 Jefferson Ave.  
 SAINT CLAIR SHORES, MI  
 US 48080  
 Contact: CORT CORINO  
 ccorino@jbys.com  
 T: (773)641-6947  
 F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 12.5	█ 12.6	---	---
Base Number (BN)	mg KOH/g	█ 9.6	---	---	---
Oxidation (PA)	%	54	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

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	42	45	---	---
Sulfation (PA)	%	51	53	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 7	---	---
Sodium	ppm	█ <1	█ 2	---	---
Potassium	ppm	█ 0	█ <1	---	---

### WEAR METALS

Iron	ppm	█ <1	█ 4	---	---
Copper	ppm	█ 5	█ 10	---	---
Lead	ppm	█ 1	█ <1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ <1	█ 0	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 59	█ 54	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	<1	0	---	---

### ADDITIVES

Calcium	ppm	█ 1091	█ 1001	---	---
Magnesium	ppm	█ 969	█ 859	---	---
Zinc	ppm	█ 1234	█ 1060	---	---
Phosphorus	ppm	█ 1060	█ 980	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 2	█ 2	---	---

**Depot:** VP297371  
**Unique No:** 10874353  
**Signed:** Sean Felton  
**Report Date:** 14 Feb 2024

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GRAPHS

