

# OIL ANALYSIS REPORT

# VOLVO PENTA

## UNPLUGGED MERCUISER OW17332 - STARBOARD GASOLINE ENGINE

Sample No: VPA036382  
Oil Type: QUICKSILVER 25W40

### SAMPLE INFORMATION

Sample Number	VPA036382	---	---	---
Sample Date	16 Feb 2024	---	---	---
Machine Hours	734	---	---	---
Oil Hours	5	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ATTENTION	---	---	---

**CHICAGO YACHT WORKS**  
2550 S ASHLAND AVE  
CHICAGO, IL  
US 60608  
Contact: JONATHAN PAIGE  
jonathan@chicagoyachtworks.com  
T: (312)666-6670  
F:

### OIL CONDITION

Visc @ 100°C	cSt	▲ 12.0	---	---	---
Base Number (BN)	mg KOH/g	■ 8.0	---	---	---
Oxidation (PA)	%	19	---	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	10	---	---	---
Sulfation (PA)	%	14	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 2.8	---	---	---
Silicon	ppm	■ 25	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 3	---	---	---

### WEAR METALS

Iron	ppm	■ 42	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ 4	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	31	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	1677	---	---	---
Magnesium	ppm	13	---	---	---
Zinc	ppm	888	---	---	---
Phosphorus	ppm	647	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	148	---	---	---

Depot: VP1080862  
Unique No: 10888084  
Signed: Jonathan Hester  
Report Date: 26 Feb 2024

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GRAPHS

