

# OIL ANALYSIS REPORT

# VOLVO PENTA

## MERCURY MERCURY B3 - STERNDRIVE - STARBOARD GEARBOX

Sample No: VPA021154

Oil Type: MERCURY 80W90

### SAMPLE INFORMATION

Sample Number	VPA021154	---	---	---
Sample Date	09 Mar 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	50	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### Indoor Boat Storage Inc

26120 Birch Bluff Rd.  
EXCELSIOR, MN  
US 55331  
Contact: Steve Malenke  
SERVICE@INDOORBOATSTORAGEINC.COM  
T:  
F:

### OIL CONDITION

Visc @ 40°C	cSt	■ 152	---	---	---
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### CONTAMINATION

Water	%	▲ 0.498	---	---	---
Silicon	ppm	■ 1	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 2	---	---	---

### WEAR METALS

PQ		■ 13	---	---	---
Iron	ppm	▲ 264	---	---	---
Copper	ppm	■ 17	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	27	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	4	---	---	---
Magnesium	ppm	1	---	---	---
Zinc	ppm	9	---	---	---
Phosphorus	ppm	183	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

### Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The iron level is abnormal. All other component wear rates are normal. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP303976  
Unique No: 10372248  
Signed: Angela Borella  
Report Date: 13 Mar 2023

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## GRAPHS

