

OIL ANALYSIS REPORT

**VOLVO
PENTA**

VANUTA - TOKARZ DT MERCUISER OL799351 - STERNDRIVE - PORT GEARBOX

Sample No: VPA048608

Oil Type: QUICKSILVER/MERCURY 90W

SAMPLE INFORMATION

Sample Number	VPA048608	---	---	---
Sample Date	22 Jun 2023	---	---	---
Machine Hours	666	---	---	---
Oil Hours	15	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

CHICAGO YACHT WORKS

2550 S ASHLAND AVE
CHICAGO, IL
US 60608
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F:

OIL CONDITION

Visc @ 40°C	cSt	■ 155	---	---	---
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CONTAMINATION

Silicon	ppm	■ 1	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 3	---	---	---

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 condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		■ 26	---	---	---
Iron	ppm	■ 88	---	---	---
Copper	ppm	■ 10	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 56	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 13	---	---	---
Magnesium	ppm	■ 10	---	---	---
Zinc	ppm	■ 14	---	---	---
Phosphorus	ppm	■ 247	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 1	---	---	---

Depot: VP1080862
Unique No: 10535179
Signed: Jonathan Hester
Report Date: 30 Jun 2023

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GRAPHS

