

OIL ANALYSIS REPORT

**VOLVO
PENTA**

WILSON 590-75 JC MERCURY OM979413 - ZEUS POD - STARBOARD GEARBOX

Sample No: VPA021970

Oil Type: MERCURY 90W SYN

SAMPLE INFORMATION

Sample Number	VPA021970	---	---	---
Sample Date	13 Dec 2023	---	---	---
Machine Hours	111	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

Outstanding Marine

PO Box 274
GALENA, MD
US 21635
Contact: Ronda Bolinger
rlwb@verizon.net
T:
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 139	---	---	---
-------------	-----	-------	-----	-----	-----

CONTAMINATION

Water	%	■ 0.131	---	---	---
Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ 8	---	---	---
Potassium	ppm	■ 5	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. There is a trace of moisture present in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		■ 18	---	---	---
Iron	ppm	▲ 212	---	---	---
Copper	ppm	■ 15	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminium	ppm	■ <1	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	21	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	58	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	15	---	---	---
Phosphorus	ppm	274	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	1	---	---	---

Depot: VP153685
Unique No: 10816495
Signed: Angela Borella
Report Date: 04 Jan 2024

OIL ANALYSIS REPORT

GRAPHS

