

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

**TREY YACHT MANAGEMENT EVAN/502924 MERCURY 2A343200 - STERNDRIVE - PORT GEARBOX**

**Sample No:** VPA061926

**Oil Type:** MERCURY GEAR LUBE 90

## SAMPLE INFORMATION

Sample Number	VPA061926	---	---	---
Sample Date	29 May 2024	---	---	---
Machine Hours	155	---	---	---
Oil Hours	155	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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## OIL CONDITION

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

Water	%	NEG	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ 3	---	---	---

## WEAR METALS

PQ		■ 35	---	---	---
Iron	ppm	● 224	---	---	---
Copper	ppm	■ 15	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	26	---	---	---
Nickel	ppm	■ 4	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	<1	---	---	---
Magnesium	ppm	2	---	---	---
Zinc	ppm	11	---	---	---
Phosphorus	ppm	184	---	---	---
Barium	ppm	1	---	---	---
Boron	ppm	0	---	---	---

## Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VP794951  
**Unique No:** 11062641  
**Signed:** Jonathan Hester  
**Report Date:** 10 Jun 2024

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## GRAPHS

