

# OIL ANALYSIS REPORT

# VOLVO PENTA

**RICHARD RAMAGLIA TOM VOLVO PENTA 4012161611 - STARBOARD GASOLINE ENGINE**

**Sample No:** VPA036591

**Oil Type:** VOLVO PENTA 10W40

## SAMPLE INFORMATION

Sample Number	VPA036591	---	---	---
Sample Date	12 Jan 2024	---	---	---
Machine Hours	299	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

## OIL CONDITION

Visc @ 100°C	cSt	█ 12.1	---	---	---
Base Number (BN)	mg KOH/g	█ 7.9	---	---	---
Oxidation (PA)	%	15	---	---	---

## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0	---	---	---
Nitration (PA)	%	6	---	---	---
Sulfation (PA)	%	14	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 1.5	---	---	---
Silicon	ppm	█ 22	---	---	---
Sodium	ppm	█ 41	---	---	---
Potassium	ppm	█ 0	---	---	---

## WEAR METALS

Iron	ppm	█ 82	---	---	---
Copper	ppm	█ 65	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	71	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	2849	---	---	---
Magnesium	ppm	185	---	---	---
Zinc	ppm	1209	---	---	---
Phosphorus	ppm	1011	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	335	---	---	---

### ADMIRALTY MARINE

2775 KURTZ ST, STE 12

SAN DIEGO, CA

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Contact: Terry Albee

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T:

F:

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VP151529

**Unique No:** 10832019

**Signed:** Angela Borella

**Report Date:** 22 Jan 2024

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## GRAPHS

