

# OIL ANALYSIS REPORT

# VOLVO PENTA

**JOHN BAURER 1697 CATERPILLAR 4KG09595 - STARBOARD DIESEL ENGINE**

**Sample No:** VPA045306

**Oil Type:** MOBIL DELVAC 1300 SUPER15W40

## SAMPLE INFORMATION

Sample Number	VPA045306	---	---	---
Sample Date	15 May 2024	---	---	---
Machine Hours	910	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

## OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	---	---	---
Base Number (BN)	mg KOH/g	█ 9.4	---	---	---
Oxidation (PA)	%	58	---	---	---

## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	40	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 4	---	---	---

## WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 49	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ 2	---	---	---
Silver	ppm	█ 3	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	2	---	---	---

## ADDITIVES

Calcium	ppm	█ 1266	---	---	---
Magnesium	ppm	█ 642	---	---	---
Zinc	ppm	█ 973	---	---	---
Phosphorus	ppm	█ 816	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	█ 30	---	---	---

**C.A.P. Marina, Inc.**

22 Sisson St., 22 Sisson St.

ALEXANDRIA BAY, NY

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Contact: CAROL WARD

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T:

F:

## 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 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:** VP630707

**Unique No:** 11033677

**Signed:** Don Baldrige

**Report Date:** 20 May 2024

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## GRAPHS

