

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

**JERRY DILWORTH 11194 YAMAHA 6KA-X-1009460 - OUTBOARD GASOLINE ENGINE**

**Sample No:** VPA056654

**Oil Type:** YAMAHA 10W30

## SAMPLE INFORMATION

Sample Number	VPA056654	---	---	---
Sample Date	07 Aug 2023	---	---	---
Machine Hours	10	---	---	---
Oil Hours	10	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

## BAY MARINE

3 E MADISON ST

WAUKEGAN, IL

US 60085

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## OIL CONDITION

Visc @ 100°C	cSt	■ 9	---	---	---
Base Number (BN)	mg KOH/g	■ 7.1	---	---	---
Oxidation (PA)	%	8	---	---	---

## Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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.

## CONTAMINATION

Soot %	%	■ 0	---	---	---
Nitration (PA)	%	6	---	---	---
Sulfation (PA)	%	9	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	■ 29	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 4	---	---	---

## WEAR METALS

Iron	ppm	■ 10	---	---	---
Copper	ppm	■ 5	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	170	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	2090	---	---	---
Magnesium	ppm	17	---	---	---
Zinc	ppm	808	---	---	---
Phosphorus	ppm	618	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	58	---	---	---

**Depot:** VP1174336

**Unique No:** 10592421

**Signed:** Doug Bogart

**Report Date:** 14 Aug 2023

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## GRAPHS

