

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

**MINH TRUONG VOLVO PENTA 3194007152 - STARBOARD IPS**

**Sample No:** VPA050746

**Oil Type:** GEAR OIL SAE 75W90

## SAMPLE INFORMATION

Sample Number	VPA050746	---	---	---
Sample Date	05 Jul 2023	---	---	---
Machine Hours	20	---	---	---
Oil Hours	20	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

**Cogswell Marine & Motorsports, Inc**  
865 Stella Street  
CHULA VISTA, CA  
US 91911  
Contact: Mitchell Cogswell  
Cogswellmarinemotorsports@gmail.com  
T:  
F:

## OIL CONDITION

Visc @ 40°C	cSt	■ 99.6	---	---	---
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## CONTAMINATION

Silicon	ppm	■ 15	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 3	---	---	---

## 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 condition of the oil is acceptable for the time in service.

## WEAR METALS

PQ		■ 14	---	---	---
Iron	ppm	■ 53	---	---	---
Copper	ppm	■ 11	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 4	---	---	---
Vanadium	ppm	■ 0	---	---	---

## ADDITIVES

Calcium	ppm	■ 10	---	---	---
Magnesium	ppm	■ 11	---	---	---
Zinc	ppm	■ 31	---	---	---
Phosphorus	ppm	■ 1430	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 239	---	---	---

**Depot:** VP152133  
**Unique No:** 10551610  
**Signed:** Don Baldrige  
**Report Date:** 13 Jul 2023

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## GRAPHS

