

# OIL ANALYSIS REPORT

# VOLVO PENTA

**ENGLAND VOLVO PENTA 3194005177 - STARBOARD IPS**

**Sample No:** VPA045509

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

## SAMPLE INFORMATION

Sample Number	VPA045509	---	---	---
Sample Date	24 Jun 2024	---	---	---
Machine Hours	337	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

## OIL CONDITION

Visc @ 40°C	cSt	■ 108	---	---	---
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## CONTAMINATION

Water	%	▲ 0.620	---	---	---
Silicon	ppm	■ 10	---	---	---
Sodium	ppm	■ 129	---	---	---
Potassium	ppm	■ 6	---	---	---

## WEAR METALS

PQ		■ 21	---	---	---
Iron	ppm	■ 224	---	---	---
Copper	ppm	■ 28	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 15	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ 4	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	■ 68	---	---	---
Magnesium	ppm	■ 34	---	---	---
Zinc	ppm	■ 81	---	---	---
Phosphorus	ppm	■ 1396	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 120	---	---	---

## SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6  
SARASOTA, FL  
US 34240  
Contact: SERVICE MANAGER  
info@suncoastdmi.com  
T: (941)342-0033  
F:

## Diagnosis

We advise that you check for the source of water entry. Resample at the next service interval to monitor. The aluminum level is abnormal. All other component wear rates are normal. Appearance is hazy. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VP705283  
**Unique No:** 11101090  
**Signed:** Jonathan Hester  
**Report Date:** 01 Jul 2024

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## GRAPHS

