

# OIL ANALYSIS REPORT

# VOLVO PENTA

**DAMP 530448 VOLVO PENTA 3194010162 - STARBOARD IPS**

**Sample No:** VPA046436

**Oil Type:** VOLVO API GL-5 SAE 75W90

## SAMPLE INFORMATION

Sample Number	VPA046436	---	---	---
Sample Date	13 Jul 2023	---	---	---
Machine Hours	1247	---	---	---
Oil Hours	80	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

## OIL CONDITION

Visc @ 40°C	cSt	106	---	---	---
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## CONTAMINATION

Silicon	ppm	15	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	1	---	---	---

## WEAR METALS

PQ		29	---	---	---
Iron	ppm	92	---	---	---
Copper	ppm	10	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	4	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	17	---	---	---
Phosphorus	ppm	1188	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	273	---	---	---

### Marine International Diesels Inc.

3600 HACIENDA BLVD UNIT G  
DAVIE, FL  
US 33314  
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### Diagnosis

No corrective action is recommended at this time. 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.

**Depot:** VP694356  
**Unique No:** 10561603  
**Signed:** Doug Bogart  
**Report Date:** 18 Jul 2023

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## GRAPHS

