

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## VOLVO PENTA 3940016080 - STARBOARD IPS

**Sample No:** VPA031081

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

### SAMPLE INFORMATION

Sample Number	VPA031081	---	---	---
Sample Date	25 Jul 2023	---	---	---
Machine Hours	622	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### OIL CONDITION

Visc @ 40°C	cSt	█ 105	---	---	---
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### CONTAMINATION

Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ 8	---	---	---
Potassium	ppm	█ 4	---	---	---

### WEAR METALS

PQ		█ 17	---	---	---
Iron	ppm	█ 23	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	7	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	█ 16	---	---	---
Magnesium	ppm	█ 32	---	---	---
Zinc	ppm	█ 22	---	---	---
Phosphorus	ppm	█ 1451	---	---	---
Barium	ppm	█ 4	---	---	---
Boron	ppm	█ 402	---	---	---

### SUNCOAST DIESEL MARINE

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### 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.

**Depot:** VP705283  
**Unique No:** 10578235  
**Signed:** Don Baldrige  
**Report Date:** 01 Aug 2023

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## GRAPHS

