

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GORDEN PARKER PARKER VOLVO PENTA 3940019133 - STARBOARD IPS

**Sample No:** VPA060976  
**Oil Type:** GEAR OIL SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA060976	VPA037735	VPA030189	---
Sample Date	26 Mar 2024	01 Dec 2021	27 Mar 2021	---
Machine Hours	710	0	0	---
Oil Hours	0	0	3	---
Oil Changed	Changed	N/A	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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### OIL CONDITION

Visc @ 40°C	cSt	█ 105	█ 112	█ 112.1	---
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### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	█ 13	█ 10	█ 6	---
Sodium	ppm	█ 7	█ 2	█ 2	---
Potassium	ppm	█ 0	█ 0	█ 16	---

### 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		█ 23	█ 21	█ 21	---
Iron	ppm	█ 191	█ 79	█ 12	---
Copper	ppm	█ 11	█ 7	█ 1	---
Lead	ppm	█ 0	█ 0	█ 0	---
Tin	ppm	█ 0	█ 0	█ 0	---
Aluminum	ppm	<1	█ 1	<1	---
Chromium	ppm	█ <1	█ <1	█ <1	---
Molybdenum	ppm	█ <1	█ <1	█ <1	---
Nickel	ppm	█ <1	█ <1	█ <1	---
Titanium	ppm	█ 0	█ 0	<1	---
Silver	ppm	█ 0	█ 0	<1	---
Manganese	ppm	█ 2	█ 1	█ <1	---
Vanadium	ppm	█ 0	█ 0	█ 0	---

### ADDITIVES

Calcium	ppm	█ 5	█ 9	█ 38	---
Magnesium	ppm	█ <1	█ <1	<1	---
Zinc	ppm	█ 3	█ 8	█ 18	---
Phosphorus	ppm	█ 1438	█ 1348	█ 1267	---
Barium	ppm	█ 0	█ 0	█ 0	---
Boron	ppm	█ 289	█ 231	█ 266	---

**Depot:** VP151520  
**Unique No:** 10966499  
**Signed:** Don Baldrige  
**Report Date:** 10 Apr 2024

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PENTA**

## GRAPHS

