

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GORDON FERGUSON VOLVO PENTA 3950007483 - STARBOARD IPS

Sample No: VPA060081

Oil Type: VOLVO PENTA GL-5 SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA060081	VPA035282	---	---
Sample Date	14 Feb 2024	01 Nov 2021	---	---
Machine Hours	443	148	---	---
Oil Hours	192	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	ATTENTION	NORMAL	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	■ 104	■ 95.1	---	---
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### CONTAMINATION

Water	%	■ 0.114	NEG	---	---
Silicon	ppm	▲ 4	9	---	---
Sodium	ppm	■ 7	■ 4	---	---
Potassium	ppm	■ 3	■ 9	---	---

### WEAR METALS

PQ		■ 22	■ 25	---	---
Iron	ppm	▲ 133	■ 31	---	---
Copper	ppm	9	4	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	5	1	---	---
Chromium	ppm	■ 1	■ <1	---	---
Molybdenum	ppm	■ 3	<1	---	---
Nickel	ppm	■ 2	■ <1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 4	6	---	---
Vanadium	ppm	0	<1	---	---

### ADDITIVES

Calcium	ppm	■ 94	44	---	---
Magnesium	ppm	■ 35	1082	---	---
Zinc	ppm	■ 272	9	---	---
Phosphorus	ppm	■ 1377	1565	---	---
Barium	ppm	■ 0	<1	---	---
Boron	ppm	■ 255	539	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. An increase in the iron level is noted. All other component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP794951  
Unique No: 10884873  
Signed: Sean Felton  
Report Date: 20 Feb 2024

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**VOLVO  
PENTA**

## GRAPHS

