

# OIL ANALYSIS REPORT

# VOLVO PENTA

**JOSH SMITH PB55-14 VOLVO PENTA 3950002730 - STARBOARD IPS**

**Sample No:** VPA047227

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

## SAMPLE INFORMATION

Sample Number	<b>VPA047227</b>	VPA014519	---	---
Sample Date	<b>28 Aug 2023</b>	27 May 2021	---	---
Machine Hours	<b>1094</b>	753	---	---
Oil Hours	<b>150</b>	80	---	---
Oil Changed	<b>Changed</b>	N/A	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

## OIL CONDITION

Visc @ 40°C	cSt	<b>103</b>	102	---	---
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## CONTAMINATION

Silicon	ppm	<b>2</b>	3	---	---
Sodium	ppm	<b>9</b>	4	---	---
Potassium	ppm	<b>&lt;1</b>	<1	---	---

## WEAR METALS

PQ		<b>17</b>	27	---	---
Iron	ppm	<b>95</b>	68	---	---
Copper	ppm	<b>12</b>	6	---	---
Lead	ppm	<b>0</b>	0	---	---
Tin	ppm	<b>0</b>	0	---	---
Aluminum	ppm	<b>4</b>	<1	---	---
Chromium	ppm	<b>&lt;1</b>	<1	---	---
Molybdenum	ppm	<b>&lt;1</b>	<1	---	---
Nickel	ppm	<b>&lt;1</b>	<1	---	---
Titanium	ppm	<b>0</b>	<1	---	---
Silver	ppm	<b>0</b>	<1	---	---
Manganese	ppm	<b>2</b>	2	---	---
Vanadium	ppm	<b>0</b>	0	---	---

## ADDITIVES

Calcium	ppm	<b>2</b>	81	---	---
Magnesium	ppm	<b>&lt;1</b>	5	---	---
Zinc	ppm	<b>44</b>	10	---	---
Phosphorus	ppm	<b>1352</b>	1335	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>311</b>	319	---	---

### GRAND BANKS

450 SW SALEM RD

STUART, FL

US 34994

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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:** VP531377

**Unique No:** 10630989

**Signed:** Sean Felton

**Report Date:** 05 Sep 2023

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**VOLVO  
PENTA**

## GRAPHS

