

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA 3194003389 - STARBOARD IPS

Sample No: VPA048650

Oil Type: GEAR OIL SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA048650	VPA023228	VPA009265	---
Sample Date	26 Mar 2024	11 Apr 2019	22 Feb 2019	---
Machine Hours	648	285	381	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Not Changd	Not Changd	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

### SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6  
SARASOTA, FL  
US 34240  
Contact: SERVICE MANAGER  
info@suncoastdmi.com  
T: (941)342-0033  
F:

### OIL CONDITION

Visc @ 40°C	cSt	█ 103.4	█ 105.8	█ 99.8	---
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### CONTAMINATION

Water	%	▲ 0.376	NEG	NEG	---
Silicon	ppm	█ 22	8	28	---
Sodium	ppm	█ 28	█ 2	█ 7	---
Potassium	ppm	█ 8	█ 0	█ <1	---

### WEAR METALS

PQ		█ 22	█ 20	█ 25	---
Iron	ppm	▲ 395	█ 10	█ 40	---
Copper	ppm	█ 49	2	█ 17	---
Lead	ppm	█ 0	<1	1	---
Tin	ppm	█ 0	0	0	---
Aluminum	ppm	█ 2	0	<1	---
Chromium	ppm	█ 2	█ <1	█ <1	---
Molybdenum	ppm	█ <1	█ <1	█ <1	---
Nickel	ppm	█ 4	█ <1	█ <1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	█ 0	0	<1	---
Manganese	ppm	█ 12	█ <1	█ 2	---
Vanadium	ppm	<1	0	0	---

### ADDITIVES

Calcium	ppm	█ 21	█ 3	█ 5	---
Magnesium	ppm	█ 73	█ 1	█ 0	---
Zinc	ppm	█ 112	█ 3	█ 11	---
Phosphorus	ppm	█ 1236	█ 1255	█ 1460	---
Barium	ppm	█ 2	█ 0	█ <1	---
Boron	ppm	█ 128	█ 301	█ 254	---

### Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor. Gear wear is indicated. There is a moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP705283  
Unique No: 10950757  
Signed: Doug Bogart  
Report Date: 27 Mar 2024

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## GRAPHS

