

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA 3940015635 - STARBOARD IPS

Sample No: VPA045565

Oil Type: GEAR OIL SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA045565	VPA045511	---	---
Sample Date	21 Sep 2023	02 May 2023	---	---
Machine Hours	765	676	---	---
Oil Hours	169	81	---	---
Oil Changed	Not Changd	N/A	---	---
Sample Status	ATTENTION	NORMAL	---	---

### OIL CONDITION

Visc @ 40°C	cSt	█ 113	█ 116	---	---
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### CONTAMINATION

Silicon	ppm	█ 20	█ 16	---	---
Sodium	ppm	█ 10	█ 5	---	---
Potassium	ppm	█ 3	█ 1	---	---

### WEAR METALS

PQ		█ 24	█ 22	---	---
Iron	ppm	▲ 288	█ 147	---	---
Copper	ppm	█ 29	█ 13	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	4	1	---	---
Chromium	ppm	█ 2	█ 1	---	---
Molybdenum	ppm	█ <1	█ <1	---	---
Nickel	ppm	█ 4	█ 2	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 4	█ 2	---	---
Vanadium	ppm	0	0	---	---

### ADDITIVES

Calcium	ppm	█ 11	█ 17	---	---
Magnesium	ppm	█ 3	█ 8	---	---
Zinc	ppm	█ 13	█ 19	---	---
Phosphorus	ppm	█ 1226	█ 1237	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 237	█ 286	---	---

### SUNCOAST DIESEL MARINE

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

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. 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: 10659986  
Signed: Don Baldrige  
Report Date: 24 Sep 2023

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## GRAPHS

