

# OIL ANALYSIS REPORT

# VOLVO PENTA

## ROGER MILLER VOLVO PENTA 3940024364 - STARBOARD IPS

Sample No: VPA057187

Oil Type: MOBIL DELVAC 1 SYNTHETIC GEAR SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA057187	VPA259447	---	---
Sample Date	16 Feb 2024	21 Jan 2021	---	---
Machine Hours	784	341	---	---
Oil Hours	120	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

### GRAND BANKS

450 SW SALEM RD

STUART, FL

US 34994

Contact: ROBERT ANTONA

roberta@gbmarinegroup.com

T: (609)384-5290

F:

### OIL CONDITION

Visc @ 40°C	cSt	108.6	89.64	---	---
-------------	-----	-------	-------	-----	-----

### CONTAMINATION

Water	%	▲ 0.315	NEG	---	---
Silicon	ppm	■ 20	■ 31	---	---
Sodium	ppm	■ 31	■ 32	---	---
Potassium	ppm	■ <1	■ 0	---	---

### WEAR METALS

PQ		■ 22	■ 38	---	---
Iron	ppm	▲ 277	■ 188	---	---
Copper	ppm	■ 31	■ 30	---	---
Lead	ppm	0	1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	4	---	---
Chromium	ppm	■ 2	■ 1	---	---
Molybdenum	ppm	■ 0	■ 2	---	---
Nickel	ppm	■ 2	■ 2	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	■ 4	■ 7	---	---
Vanadium	ppm	0	0	---	---

### ADDITIVES

Calcium	ppm	■ 0	■ 37	---	---
Magnesium	ppm	■ 24	760	---	---
Zinc	ppm	■ 17	■ 31	---	---
Phosphorus	ppm	■ 1505	■ 1413	---	---
Barium	ppm	■ 0	■ 1	---	---
Boron	ppm	■ 246	■ 352	---	---

### Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. 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: VP531377

Unique No: 10890218

Signed: Doug Bogart

Report Date: 22 Feb 2024

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## GRAPHS

