

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA 701 1436061 - PORT DIESEL ENGINE

Sample No: VPA047200

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA047200	---	---	---
Sample Date	13 Dec 2023	---	---	---
Machine Hours	648	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

### 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 @ 100°C	cSt	▲ 11.6	---	---	---
Base Number (BN)	mg KOH/g	■ 9.5	---	---	---
Oxidation (PA)	%	56	---	---	---

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.2	---	---	---
Nitration (PA)	%	45	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 5.8	---	---	---
Silicon	ppm	■ 5	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 0	---	---	---

### Diagnosis

We advise that you check the fuel injection system. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

### WEAR METALS

Iron	ppm	■ 2	---	---	---
Copper	ppm	■ 6	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 57	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	■ 968	---	---	---
Magnesium	ppm	■ 925	---	---	---
Zinc	ppm	■ 1227	---	---	---
Phosphorus	ppm	■ 1049	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 2	---	---	---

Depot: VP705283

Unique No: 10802515

Signed: Jonathan Hester

Report Date: 26 Dec 2023

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## GRAPHS

