

# OIL ANALYSIS REPORT

# VOLVO PENTA

## CRUISER GO VOLVO PENTA 70112043357 - PORT DIESEL ENGINE

Sample No: VPA045477

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA045477	---	---	---
Sample Date	27 Sep 2023	---	---	---
Machine Hours	40	---	---	---
Oil Hours	40	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

### OIL CONDITION

Visc @ 100°C	cSt	▲ 6.1	---	---	---
Base Number (BN)	mg KOH/g	■ 6.4	---	---	---
Oxidation (PA)	%	41	---	---	---

### CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	55	---	---	---
Sulfation (PA)	%	42	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	◆ 30.5	---	---	---
Silicon	ppm	■ 28	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 6	---	---	---

### WEAR METALS

Iron	ppm	■ 7	---	---	---
Copper	ppm	■ 19	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 57	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	■ 1370	---	---	---
Magnesium	ppm	■ 172	---	---	---
Zinc	ppm	■ 902	---	---	---
Phosphorus	ppm	■ 764	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 37	---	---	---

#### Marine International Diesels Inc.

3600 HACIENDA BLVD UNIT G  
DAVIE, FL  
US 33314

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#### Diagnosis

We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Metal levels are typical for a new component breaking in. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP694356

Unique No: 10709758

Signed: Sean Felton

Report Date: 25 Oct 2023

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## GRAPHS

