

# OIL ANALYSIS REPORT

# VOLVO PENTA

## H160990877 - CENTER GENSET

Sample No: VPA049744

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

### SAMPLE INFORMATION

Sample Number	VPA049744	---	---	---
Sample Date	19 Feb 2024	---	---	---
Machine Hours	1522	---	---	---
Oil Hours	187	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

**SIEBERT YACHT MANAGEMENT**  
2875 JUPITER PARK DR, SUITE 1700  
JUPITER, FL  
US 33458  
Contact: JAY SIEBERT  
jay@siebertyachtmanagement.com  
T:  
F:

### OIL CONDITION

Visc @ 100°C	cSt	▲ 12.3	---	---	---
Base Number (BN)	mg KOH/g	■ 8.7	---	---	---
Oxidation (PA)	%	■ 51	---	---	---

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.2	---	---	---
Nitration (PA)	%	■ 48	---	---	---
Sulfation (PA)	%	■ 48	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 5.0	---	---	---
Silicon	ppm	■ 9	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 2	---	---	---

### Diagnosis

We advise that you check the fuel injection system. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

### WEAR METALS

Iron	ppm	■ 6	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 55	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	1173	---	---	---
Magnesium	ppm	■ 610	---	---	---
Zinc	ppm	■ 1034	---	---	---
Phosphorus	ppm	■ 886	---	---	---
Barium	ppm	■ 3	---	---	---
Boron	ppm	■ 12	---	---	---

Depot: VP1190184  
Unique No: 10886874  
Signed: Angela Borella  
Report Date: 21 Feb 2024

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## GRAPHS

