

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

**HERNANDEZ ONAN A220029933 - GENSET**

**Sample No:** VPA044063

**Oil Type:** DIESEL ENGINE OIL SAE 15W40

## SAMPLE INFORMATION

Sample Number	VPA044063	---	---	---
Sample Date	01 Aug 2023	---	---	---
Machine Hours	259	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### Suncoast Diesel Marine Inc.

610 Mount Vernan St  
OLDSMAR, FL  
US 34677  
Contact: MARK WARREN  
oldsmar@suncoastdmi.com  
T: (813)475-5942  
F: (813)475-5943

## OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	---	---	---
Base Number (BN)	mg KOH/g	█ 9.0	---	---	---
Oxidation (PA)	%	69	---	---	---

## CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 3	---	---	---

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. 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	█ 5	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 38	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 1109	---	---	---
Magnesium	ppm	█ 711	---	---	---
Zinc	ppm	█ 829	---	---	---
Phosphorus	ppm	█ 648	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 29	---	---	---

**Depot:** VP945077  
**Unique No:** 10588462  
**Signed:** Don Baldrige  
**Report Date:** 07 Aug 2023

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GRAPHS

