

# OIL ANALYSIS REPORT

# VOLVO PENTA

**CRAIG KIRKLAND - SURRENDERED LIFE MB VOLVO PENTA 7011482404 - PORT MAIN ENGINE**

**Sample No:** VPA049798

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

## SAMPLE INFORMATION

Sample Number	VPA049798	---	---	---
Sample Date	19 Oct 2023	---	---	---
Machine Hours	1633	---	---	---
Oil Hours	253	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**FLORIDA DETROIT DIESEL - 531006 - 1125774**  
1128 CHESTNUT AVE  
PANAMA CITY, FL  
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## OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	---	---	---
Base Number (BN)	mg KOH/g	█ 9.0	---	---	---
Oxidation (PA)	%	55	---	---	---

## CONTAMINATION

Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	52	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ < 1	---	---	---
Potassium	ppm	█ < 1	---	---	---

## WEAR METALS

Iron	ppm	█ 9	---	---	---
Copper	ppm	█ 16	---	---	---
Lead	ppm	█ < 1	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 60	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	█ 0	---	---	---

## ADDITIVES

Calcium	ppm	█ 1086	---	---	---
Magnesium	ppm	█ 1010	---	---	---
Zinc	ppm	█ 1345	---	---	---
Phosphorus	ppm	█ 1081	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

## Diagnosis

Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry updates. 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 suitable for further service.

**Depot:** VPFLOPAN  
**Unique No:** 10710527  
**Signed:** Doug Bogart  
**Report Date:** 27 Oct 2023

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## GRAPHS

