

# OIL ANALYSIS REPORT

# VOLVO PENTA

## MARILEE CUMMINS E130503088 - INDUSTRIAL - STARBOARD GENSET

Sample No: VPA049767

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA049767	---	---	---
Sample Date	08 Dec 2023	---	---	---
Machine Hours	1674	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### Marine International Diesels Inc.

3600 HACIENDA BLVD UNIT G  
DAVIE, FL  
US 33314  
Contact: ASHANTI BURKE  
aburke@midiflorida.com  
T: (954)761-1086  
F: (954)761-1186

### OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	█ 10.8	---	---	---
Oxidation (PA)	%	36	---	---	---

### 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.

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	42	---	---	---
Sulfation (PA)	%	40	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ < 1	---	---	---
Potassium	ppm	█ 0	---	---	---

### WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ < 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ < 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 44	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1324	---	---	---
Magnesium	ppm	█ 1139	---	---	---
Zinc	ppm	█ 1330	---	---	---
Phosphorus	ppm	█ 1006	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VP694356  
Unique No: 10806565  
Signed: Angela Borella  
Report Date: 28 Dec 2023

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## GRAPHS

