

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA 2013971798 - STARBOARD DIESEL ENGINE

Sample No: VPA059478

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA059478	---	---	---
Sample Date	01 Mar 2024	---	---	---
Machine Hours	592	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6  
SARASOTA, FL  
US 34240  
Contact: SERVICE MANAGER  
info@suncoastdmi.com  
T: (941)342-0033  
F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 14.05	---	---	---
Base Number (BN)	mg KOH/g	█ 6.7	---	---	---
Oxidation (PA)	%	69	---	---	---

### Diagnosis

No corrective action is recommended at this time. 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 %	%	█ 2.5	---	---	---
Nitration (PA)	%	84	---	---	---
Sulfation (PA)	%	72	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---

### WEAR METALS

Iron	ppm	█ 43	---	---	---
Copper	ppm	█ 136	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 59	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1152	---	---	---
Magnesium	ppm	█ 928	---	---	---
Zinc	ppm	█ 1247	---	---	---
Phosphorus	ppm	█ 1041	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 10	---	---	---

Depot: VP705283  
Unique No: 10912572  
Signed: Doug Bogart  
Report Date: 05 Mar 2024

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## GRAPHS

