

# OIL ANALYSIS REPORT



## VOLVO PENTA 701 1436061 - PORT DIESEL ENGINE

Sample No: VPA058025

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA058025	VPA047200	---	---
Sample Date	21 Mar 2024	13 Dec 2023	---	---
Machine Hours	677	648	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	MARGINAL	ABNORMAL	---	---

### 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	█ 12.63	▲ 11.6	---	---
Base Number (BN)	mg KOH/g	█ 10.0	█ 9.5	---	---
Oxidation (PA)	%	53	56	---	---

### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.2	---	---
Nitration (PA)	%	38	45	---	---
Sulfation (PA)	%	50	51	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	▲ 2.9	▲ 5.8	---	---
Silicon	ppm	█ 3	█ 5	---	---
Sodium	ppm	█ <1	█ 0	---	---
Potassium	ppm	█ <1	█ 0	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

### WEAR METALS

Iron	ppm	█ 0	█ 2	---	---
Copper	ppm	█ 2	█ 6	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ <1	█ <1	---	---
Chromium	ppm	█ 0	█ 0	---	---
Molybdenum	ppm	█ 54	█ 57	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ 0	---	---
Vanadium	ppm	0	0	---	---

### ADDITIVES

Calcium	ppm	█ 963	█ 968	---	---
Magnesium	ppm	█ 882	█ 925	---	---
Zinc	ppm	█ 1147	█ 1227	---	---
Phosphorus	ppm	█ 963	█ 1049	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 4	█ 2	---	---

Depot: VP705283  
Unique No: 10940981  
Signed: Jonathan Hester  
Report Date: 25 Mar 2024

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# VOLVO PENTA

## GRAPHS

