

# OIL ANALYSIS REPORT

# VOLVO PENTA

## JOHN JONES VOLVO A312546 - PORT DIESEL ENGINE

Sample No: VPA042866

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA042866	VPA003776	---	---
Sample Date	25 Jul 2023	23 Aug 2016	---	---
Machine Hours	622	107	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

### SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6  
SARASOTA, FL  
US 34240  
Contact: Alina Warren  
info@suncoastdmi.com  
T: (941)342-0033  
F: (941)342-0088

### OIL CONDITION

Visc @ 100°C	cSt	█ 14.4	█ 13.6	---	---
Base Number (BN)	mg KOH/g	█ 9.6	---	---	---
Oxidation (PA)	%	█ 69	█ 36	---	---

### CONTAMINATION

Soot %	%	█ 0.1	█ 0	---	---
Nitration (PA)	%	█ 57	█ 42	---	---
Sulfation (PA)	%	█ 55	█ 39	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 5	█ 6	---	---
Sodium	ppm	█ 4	█ 2	---	---
Potassium	ppm	█ 1	█ 12	---	---

### WEAR METALS

Iron	ppm	█ 16	█ 6	---	---
Copper	ppm	█ 3	█ 2	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 19	█ 2	---	---
Chromium	ppm	█ 2	█ <1	---	---
Molybdenum	ppm	█ 48	█ 42	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	█ 0	█ <1	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ <1	<1	---	---
Vanadium	ppm	<1	0	---	---

### ADDITIVES

Calcium	ppm	█ 1221	█ 999	---	---
Magnesium	ppm	█ 850	█ 734	---	---
Zinc	ppm	█ 929	█ 853	---	---
Phosphorus	ppm	█ 763	748	---	---
Barium	ppm	█ 21	█ <1	---	---
Boron	ppm	█ 53	█ 7	---	---

### 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 suitable for further service.

Depot: VP705283  
Unique No: 10577341  
Signed: Doug Bogart  
Report Date: 31 Jul 2023

# OIL ANALYSIS REPORT



## GRAPHS

