

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## ROBERT GALWAY 14816 YANMAR E40150 - PORT DIESEL ENGINE

Sample No: VPA049723

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA049723	---	---	---
Sample Date	11 Sep 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 14.4	---	---	---
Base Number (BN)	mg KOH/g	█ 9.5	---	---	---
Oxidation (PA)	%	61	---	---	---

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	46	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 15	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 4	---	---	---

### WEAR METALS

Iron	ppm	█ 51	---	---	---
Copper	ppm	█ 17	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 8	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 50	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1902	---	---	---
Magnesium	ppm	█ 299	---	---	---
Zinc	ppm	█ 1250	---	---	---
Phosphorus	ppm	█ 1024	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 171	---	---	---

### PARTS & POWER

PO BOX 1305498, PMB1000-00  
ST THOMAS, VI  
US 00803  
Contact: KARIM PERSAUD  
info@partsandpower.com  
T: (284)494-2830  
F:

### 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.

Depot: VP981217  
Unique No: 10751301  
Signed: Don Baldrige  
Report Date: 21 Nov 2023

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GRAPHS

