

# OIL ANALYSIS REPORT

# VOLVO PENTA

## 501404 VOLVO PENTA 867901 - PORT DIESEL ENGINE

Sample No: VPA047989

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA047989	---	---	---
Sample Date	17 Jul 2023	---	---	---
Machine Hours	2000	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

#### North Harbor Diesel Inc

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### OIL CONDITION

Visc @ 100°C	cSt	█ 14.1	---	---	---
Base Number (BN)	mg KOH/g	█ 8.4	---	---	---
Oxidation (PA)	%	51	---	---	---

### 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

Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	63	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 59	---	---	---
Potassium	ppm	█ 7	---	---	---

### WEAR METALS

Iron	ppm	█ 10	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 4	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	█ 1327	---	---	---
Magnesium	ppm	█ 725	---	---	---
Zinc	ppm	█ 813	---	---	---
Phosphorus	ppm	█ 699	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 110	---	---	---

Depot: VP179089  
Unique No: 10572991  
Signed: Angela Borella  
Report Date: 27 Jul 2023

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## GRAPHS

