

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA A907489 - PORT DIESEL ENGINE

Sample No: VPA058698

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA058698	---	---	---
Sample Date	27 Mar 2024	---	---	---
Machine Hours	591	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

**JOHNSTONS MARINE SERVICES**  
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### OIL CONDITION

Visc @ 100°C	cSt	● 12.0	---	---	---
Base Number (BN)	mg KOH/g	■ 8.4	---	---	---
Oxidation (PA)	%	■ 63	---	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The chromium level is abnormal. All other component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

### CONTAMINATION

Water	%	■ NEG	---	---	---
Soot %	%	■ 0.2	---	---	---
Nitration (PA)	%	■ 58	---	---	---
Sulfation (PA)	%	■ 51	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	■ 0.3	---	---	---
Silicon	ppm	■ 24	---	---	---
Sodium	ppm	■ 53	---	---	---
Potassium	ppm	■ 3	---	---	---

### WEAR METALS

Iron	ppm	■ 21	---	---	---
Copper	ppm	■ 0	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 6	---	---	---
Chromium	ppm	▲ 18	---	---	---
Molybdenum	ppm	■ 57	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ 0	---	---	---

### ADDITIVES

Calcium	ppm	■ 1113	---	---	---
Magnesium	ppm	■ 928	---	---	---
Zinc	ppm	■ 1190	---	---	---
Phosphorus	ppm	■ 933	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 6	---	---	---

Depot: VPJOHDEE  
Unique No: 10952482  
Signed: Jonathan Hester  
Report Date: 03 Apr 2024

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**VOLVO  
PENTA**

## GRAPHS

