

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA A907488 - STARBOARD DIESEL ENGINE

Sample No: VPA058573

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA058573	---	---	---
Sample Date	27 Mar 2024	---	---	---
Machine Hours	594	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ATTENTION	---	---	---

### JOHNSTONS MARINE SERVICES

1850 NW 15th AVENUE, SUITE 205  
POMPANO BEACH, FL  
US 33069  
Contact: NEIL JOHNSTON  
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T: (984)448-0813  
F:

### OIL CONDITION

Visc @ 100°C	cSt	● 11.8	---	---	---
Base Number (BN)	mg KOH/g	■ 8.7	---	---	---
Oxidation (PA)	%	71	---	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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 %	%	■ 0.3	---	---	---
Nitration (PA)	%	82	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 1.0	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ <1	---	---	---

### WEAR METALS

Iron	ppm	■ 29	---	---	---
Copper	ppm	■ 10	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 55	---	---	---
Nickel	ppm	■ 3	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	■ 1011	---	---	---
Magnesium	ppm	■ 891	---	---	---
Zinc	ppm	■ 1208	---	---	---
Phosphorus	ppm	■ 987	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 4	---	---	---

Depot: VPJOHDEE  
Unique No: 10952481  
Signed: Jonathan Hester  
Report Date: 03 Apr 2024

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## GRAPHS

