

# OIL ANALYSIS REPORT

# VOLVO PENTA

## PHILIP HASBROUCK FISCHER PANDA 172801 - PORT GENSET

Sample No: VPA056112

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA056112	---	---	---
Sample Date	13 Oct 2023	---	---	---
Machine Hours	583	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 14.5	---	---	---
Base Number (BN)	mg KOH/g	█ 8.7	---	---	---
Oxidation (PA)	%	65	---	---	---

### CONTAMINATION

Soot %	%	█ 0	---	---	---
Nitration (PA)	%	42	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 5	---	---	---

### WEAR METALS

Iron	ppm	█ <1	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 11	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1868	---	---	---
Magnesium	ppm	█ 202	---	---	---
Zinc	ppm	█ 1135	---	---	---
Phosphorus	ppm	█ 838	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 147	---	---	---

### MARINE DIESEL SERVICES INC

1711 WHITTIER AVE, SUITE B  
COSTA MESA, CA  
US 92627  
Contact: BEN ALMAZAN  
marinedieselservices@outlook.com  
T: (949)612-8180  
F: x:

### Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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: VP288530  
Unique No: 10696632  
Signed: Sean Felton  
Report Date: 17 Oct 2023

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GRAPHS

