

# OIL ANALYSIS REPORT

# VOLVO PENTA

## JOSH KIRCHNER VOLVO PENTA 4012230536 - PORT GASOLINE ENGINE

Sample No: VPA060931

Oil Type: VOLVO PENTA 10W40 SYNTHETIC

### SAMPLE INFORMATION

Sample Number	VPA060931	VPA046398	---	---
Sample Date	10 Dec 2023	06 Feb 2023	---	---
Machine Hours	0	0	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	16.0	---	---
Base Number (BN)	mg KOH/g	█ 6.9	█ 9.8	---	---
Oxidation (PA)	%	11	11	---	---

### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	8	10	---	---
Sulfation (PA)	%	10	10	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 6	█ 7	---	---
Sodium	ppm	█ 0	█ <1	---	---
Potassium	ppm	█ 0	█ 2	---	---

### WEAR METALS

Iron	ppm	█ 10	█ 11	---	---
Copper	ppm	█ 73	█ 66	---	---
Lead	ppm	█ <1	█ 1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ <1	█ 2	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	44	69	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---

### ADDITIVES

Calcium	ppm	1618	1210	---	---
Magnesium	ppm	124	692	---	---
Zinc	ppm	873	1294	---	---
Phosphorus	ppm	583	1010	---	---
Barium	ppm	0	0	---	---
Boron	ppm	7	84	---	---

### BAY MARINE

3 E MADISON ST

WAUKEGAN, IL

US 60085

Contact: BRENDAN COWHEY

brendan@baymarine.net

T: (847)336-2628

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: VP1174336

Unique No: 10780094

Signed: Don Baldrige

Report Date: 13 Dec 2023

# OIL ANALYSIS REPORT



## GRAPHS

