

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## WAHAB VOLVO PENTA A379271 - PORT DIESEL ENGINE

Sample No: VPA055405

Oil Type: NOT GIVEN

### SAMPLE INFORMATION

Sample Number	VPA055405	---	---	---
Sample Date	20 Oct 2023	---	---	---
Machine Hours	714	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### MAKO MARINE

117 HUDSON AVE

FREEPORT, NY

US 11520

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### OIL CONDITION

Visc @ 100°C	cSt	█ 14.00	---	---	---
Oxidation (PA)	%	56	---	---	---

### CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	51	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---

### Diagnosis

No corrective action is recommended at this time. 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 condition of the oil is acceptable for the time in service.

### WEAR METALS

Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 47	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1594	---	---	---
Magnesium	ppm	█ 466	---	---	---
Zinc	ppm	█ 1201	---	---	---
Phosphorus	ppm	█ 1060	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 51	---	---	---

Depot: VP1134331

Unique No: 10709747

Signed: Doug Bogart

Report Date: 23 Oct 2023

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## GRAPHS

