

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## DEWITT ONAN P170176239 - GENSET

Sample No: VPA042548

Oil Type: NOT GIVEN

### SAMPLE INFORMATION

Sample Number	VPA042548	---	---	---
Sample Date	12 Jul 2023	---	---	---
Machine Hours	889	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### MAKO MARINE

117 HUDSON AVE

FREEPORT, NY

US 11520

Contact: PAUL FLOOD

makomarine@optonline.net

T: (516)378-7331

F: x:

### OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	---	---	---
Base Number (BN)	mg KOH/g	8.5	---	---	---
Oxidation (PA)	%	67	---	---	---

### 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

### CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	45	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 6	---	---	---

### WEAR METALS

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	2105	---	---	---
Magnesium	ppm	14	---	---	---
Zinc	ppm	1141	---	---	---
Phosphorus	ppm	920	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	170	---	---	---

Depot: VP1134331

Unique No: 10559723

Signed: Doug Bogart

Report Date: 17 Jul 2023

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## GRAPHS

