

# OIL ANALYSIS REPORT

# VOLVO PENTA

## PERRY 590-108 ONAN J210999713 - GENSET

Sample No: VPA060002

Oil Type: {unknown}

### SAMPLE INFORMATION

Sample Number	VPA060002	---	---	---
Sample Date	22 Nov 2023	---	---	---
Machine Hours	242	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	MARGINAL	---	---	---

### Outstanding Marine

PO Box 274  
GALENA, MD  
US 21635  
Contact: Ronda Bolinger  
rlwb@verizon.net  
T:  
F:

### OIL CONDITION

Visc @ 100°C	cSt	12.2	---	---	---
Base Number (BN)	mg KOH/g	7.9	---	---	---
Oxidation (PA)	%	72	---	---	---

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	83	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	3.6	---	---	---
Silicon	ppm	17	---	---	---
Sodium	ppm	5	---	---	---
Potassium	ppm	<1	---	---	---

### Diagnosis

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Light fuel dilution occurring. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

### WEAR METALS

Iron	ppm	15	---	---	---
Copper	ppm	24	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	14	---	---	---
Chromium	ppm	1	---	---	---
Molybdenum	ppm	44	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	1596	---	---	---
Magnesium	ppm	647	---	---	---
Zinc	ppm	861	---	---	---
Phosphorus	ppm	702	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	36	---	---	---

Depot: VP153685  
Unique No: 10816335  
Signed: Jonathan Hester  
Report Date: 08 Jan 2024

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## GRAPHS

