

OIL ANALYSIS REPORT

**VOLVO
PENTA**

MCMICHAEL 590-112 JAY CUMMINS/ONAN B220044973 - GENSET

Sample No: VPA057001

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA057001	---	---	---
Sample Date	07 Dec 2023	---	---	---
Machine Hours	111	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Outstanding Marine

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

OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	---	---	---
Base Number (BN)	mg KOH/g	9.1	---	---	---
Oxidation (PA)	%	61	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	57	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 14	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 1	---	---	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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 suitable for further service.

WEAR METALS

Iron	ppm	█ 12	---	---	---
Copper	ppm	█ 23	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	42	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	1501	---	---	---
Magnesium	ppm	600	---	---	---
Zinc	ppm	784	---	---	---
Phosphorus	ppm	651	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	41	---	---	---

Depot: VP153685
Unique No: 10816304
Signed: Sean Felton
Report Date: 04 Jan 2024

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GRAPHS

