

OIL ANALYSIS REPORT

**VOLVO
PENTA**

BISCOE 560-105 ZF 20238698 - INBOARD - PORT GEARBOX

Sample No: VPA021938

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA021938	---	---	---
Sample Date	05 Dec 2023	---	---	---
Machine Hours	740	---	---	---
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 @ 40°C	cSt	■ 35.1	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 5	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ <1	---	---	---

WEAR METALS

PQ		■ 49	---	---	---
Iron	ppm	■ 72	---	---	---
Copper	ppm	■ 321	---	---	---
Lead	ppm	■ 7	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	47	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	2303	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	782	---	---	---
Phosphorus	ppm	691	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	226	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal for OEM. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP153685
Unique No: 10816471
Signed: Doug Bogart
Report Date: 04 Jan 2024

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GRAPHS

