

OIL ANALYSIS REPORT

**VOLVO
PENTA**

BISCOE 560-105 ZF 30109077 - INBOARD - STARBOARD GEARBOX

Sample No: VPA021969

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA021969	---	---	---
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	■ 36.9	---	---	---
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CONTAMINATION

Water	%	■ 0.102	---	---	---
Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 3	---	---	---

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 a trace of moisture present in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		■ 74	---	---	---
Iron	ppm	■ 121	---	---	---
Copper	ppm	■ 301	---	---	---
Lead	ppm	■ 4	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminium	ppm	■ 7	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	47	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	2245	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	754	---	---	---
Phosphorus	ppm	675	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	210	---	---	---

Depot: VP153685
Unique No: 10816474
Signed: Doug Bogart
Report Date: 04 Jan 2024

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GRAPHS

