

OIL ANALYSIS REPORT

**VOLVO
PENTA**

BISCOE 560-105 CUMMINS OM973315 - ZUES - STARBOARD GEARBOX

Sample No: VPA021960

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA021960	---	---	---
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	█ 161	---	---	---
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CONTAMINATION

Water	%	█ 0.079	---	---	---
Silicon	ppm	█ <1	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 0	---	---	---

WEAR METALS

PQ		█ 13	---	---	---
Iron	ppm	█ 121	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminium	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 35	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	█ <1	---	---	---

ADDITIVES

Calcium	ppm	█ 31	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 5	---	---	---
Phosphorus	ppm	█ 230	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 4	---	---	---

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 condition of the oil is acceptable for the time in service.

Depot: VP153685
Unique No: 10816472
Signed: Doug Bogart
Report Date: 04 Jan 2024

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GRAPHS

