

OIL ANALYSIS REPORT

**VOLVO
PENTA**

ERIC LANGER 44826 ZF 20026771 - STARBOARD TRANSMISSION

Sample No: VPA044706

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA044706	---	---	---
Sample Date	17 Oct 2023	---	---	---
Machine Hours	1553	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

SPRING BROOK MARINA INC

623 N 2553RD RD
SENECA, IL
US 61360-0379
Contact: TIM MARGIS
tim@springbrookmarina.com
T:
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 87.17	---	---	---
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CONTAMINATION

Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 2	---	---	---

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 fluid. The condition of the fluid is acceptable for the time in service.

WEAR METALS

PQ		■ 15	---	---	---
Iron	ppm	■ 4	---	---	---
Copper	ppm	■ 14	---	---	---
Lead	ppm	■ 55	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	99	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	2722	---	---	---
Magnesium	ppm	39	---	---	---
Zinc	ppm	1177	---	---	---
Phosphorus	ppm	1091	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	92	---	---	---

Depot: VP154312
Unique No: 10709741
Signed: Doug Bogart
Report Date: 23 Oct 2023

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GRAPHS

