

OIL ANALYSIS REPORT

**VOLVO
PENTA**

ANDREW PRUSSACK F ZF 20239733 - INBOARD - STARBOARD GEARBOX

Sample No: VPA033625

Oil Type: SAE 30W

SAMPLE INFORMATION

Sample Number	VPA033625	---	---	---
Sample Date	12 Jul 2023	---	---	---
Machine Hours	495	---	---	---
Oil Hours	41	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ATTENTION	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 88.8	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 29	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 2	---	---	---

WEAR METALS

PQ		■ 29	---	---	---
Iron	ppm	■ 94	---	---	---
Copper	ppm	■ 85	---	---	---
Lead	ppm	■ 3	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 67	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 2909	---	---	---
Magnesium	ppm	■ 29	---	---	---
Zinc	ppm	■ 1047	---	---	---
Phosphorus	ppm	■ 963	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 5	---	---	---

TOTAL MARINE OF MARYLAND INC
106 WELLS COVE ROAD SUITE 2
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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.

Depot: VP1130693
Unique No: 10553528
Signed: Don Baldrige
Report Date: 17 Jul 2023

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GRAPHS

