

OIL ANALYSIS REPORT

VOLVO PENTA

RANES RANES VOLVO PENTA 51220374572 - INBOARD - STARBOARD GEARBOX

Sample No: VPA041198

Oil Type: ATF

SAMPLE INFORMATION

Sample Number	VPA041198	---	---	---
Sample Date	19 Dec 2023	---	---	---
Machine Hours	195	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Suncoast Diesel Marine Inc.

610 Mount Vernan St

OLDSMAR, FL

US 34677

Contact: MARK WARREN

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OIL CONDITION

Visc @ 40°C	cSt	■ 28.4	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 7	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ <1	---	---	---

WEAR METALS

PQ		■ 24	---	---	---
Iron	ppm	■ 83	---	---	---
Copper	ppm	■ 135	---	---	---
Lead	ppm	■ 4	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 17	---	---	---
Magnesium	ppm	■ 57	---	---	---
Zinc	ppm	■ 336	---	---	---
Phosphorus	ppm	■ 375	---	---	---
Barium	ppm	■ 3	---	---	---
Boron	ppm	■ 36	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP945077

Unique No: 10805830

Signed: Don Baldrige

Report Date: 28 Dec 2023

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GRAPHS

