

OIL ANALYSIS REPORT

VOLVO PENTA

4 FROGS 4 FROGS - INBOARD - PORT GEARBOX

Sample No: VPA058227
Oil Type: PENZOIL ATF

SAMPLE INFORMATION

Sample Number	VPA058227	VPA044236	VPA032085	---
Sample Date	17 Nov 2023	04 Nov 2022	02 Oct 2021	---
Machine Hours	491	318	0	---
Oil Hours	172	111	0	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	ATTENTION	ATTENTION	NORMAL	---

OIL CONDITION

Visc @ 40°C	cSt	■ 28.0	■ 27.8	■ 25.8	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	■ 2	■ 2	■ 5	---
Sodium	ppm	■ 2	■ 2	■ 2	---
Potassium	ppm	■ <1	■ 0	■ 9	---

WEAR METALS

PQ		■ 20	■ 15	■ 29	---
Iron	ppm	■ 23	■ 39	■ 12	---
Copper	ppm	▲ 154	▲ 212	■ <1	---
Lead	ppm	■ 6	■ 10	■ <1	---
Tin	ppm	■ 1	■ 2	■ 0	---
Aluminum	ppm	■ 0	■ <1	■ <1	---
Chromium	ppm	■ <1	■ 0	0	---
Molybdenum	ppm	0	■ 0	<1	---
Nickel	ppm	■ 5	■ 7	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	13	19	<1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	166	■ 137	21	---
Magnesium	ppm	2	■ 0	<1	---
Zinc	ppm	16	■ 20	6	---
Phosphorus	ppm	241	■ 222	187	---
Barium	ppm	0	■ 0	0	---
Boron	ppm	97	■ 90	8	---

The Talaria Company

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Diagnosis

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. All other 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: VP592286
Unique No: 10779517
Signed: Jonathan Hester
Report Date: 14 Dec 2023

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GRAPHS

