

# OIL ANALYSIS REPORT

# VOLVO PENTA

## WALKABOUT 2297824 - INBOARD - STARBOARD GEARBOX

**Sample No:** VPA058445  
**Oil Type:** SHELL ROTELLA T 30

### SAMPLE INFORMATION

Sample Number	VPA058445	VPA044518	VPA027341	---
Sample Date	04 Dec 2023	19 Dec 2022	28 Oct 2019	---
Machine Hours	628	601	455	---
Oil Hours	27	36	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

### OIL CONDITION

Visc @ 40°C	cSt	■ 92.2	■ 99.9	103	---
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### CONTAMINATION

Water	%	■ NEG	NEG	▲ 0.325	---
Silicon	ppm	■ 4	■ 3	■ 2	---
Sodium	ppm	■ 0	■ 5	■ 8	---
Potassium	ppm	■ 2	■ 0	■ 10	---

### WEAR METALS

PQ		■ 23	■ 15	■ 31	---
Iron	ppm	■ 34	■ 23	■ 34	---
Copper	ppm	■ 30	■ 29	■ 79	---
Lead	ppm	■ 3	■ 2	■ 11	---
Tin	ppm	■ <1	■ 0	■ 0	---
Aluminum	ppm	■ 2	■ 3	■ 2	---
Chromium	ppm	■ <1	■ <1	0	---
Molybdenum	ppm	■ 104	97	68	---
Nickel	ppm	■ <1	■ 0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	■ <1	<1	2	---
Vanadium	ppm	0	0	0	---

### ADDITIVES

Calcium	ppm	■ 2792	2247	1993	---
Magnesium	ppm	■ 31	123	108	---
Zinc	ppm	■ 1149	922	900	---
Phosphorus	ppm	■ 1021	862	721	---
Barium	ppm	■ 3	0	0	---
Boron	ppm	■ 2	4	7	---

### The Talaria Company

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### Diagnosis

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:** VP592286  
**Unique No:** 10830961  
**Signed:** Jonathan Hester  
**Report Date:** 16 Jan 2024

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## GRAPHS

