

OIL ANALYSIS REPORT

VOLVO PENTA

NADINE URCIUOLI ROB NEWMAN VOLVO PENTA A 1098972 - INBOARD - PORT GEARBOX

Sample No: VPA054840

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA054840	---	---	---
Sample Date	04 Jun 2024	---	---	---
Machine Hours	68	---	---	---
Oil Hours	68	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

Helmut's Marine Service

619 Canal Street
SAN RAFAEL, CA
US 94901-3545
Contact: NADINE URCIUOLI
SERVICE@HELMUTSMARINE.COM

T: x:

F: x:

OIL CONDITION

Visc @ 40°C	cSt	■ 96.6	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 5	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 5	---	---	---

WEAR METALS

PQ		■ 27	---	---	---
Iron	ppm	■ 132	---	---	---
Copper	ppm	■ 7	---	---	---
Lead	ppm	■ 4	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	● 43	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ 3	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 21	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 24	---	---	---
Magnesium	ppm	■ 7	---	---	---
Zinc	ppm	■ 37	---	---	---
Phosphorus	ppm	■ 1384	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 198	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The aluminum level is abnormal. All other 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: VP152741

Unique No: 11074359

Signed: Don Baldrige

Report Date: 13 Jun 2024

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GRAPHS

