

OIL ANALYSIS REPORT

VOLVO PENTA

NADINE URCIUOLI MIKE LOVER VOLVO PENTA 3940020312 - PORT IPS

Sample No: VPA059964

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA059964	---	---	---
Sample Date	17 Jan 2024	---	---	---
Machine Hours	428	---	---	---
Oil Hours	428	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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	█ 105	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	14	---	---	---
Sodium	ppm	█ 56	---	---	---
Potassium	ppm	█ 3	---	---	---

Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		█ 25	---	---	---
Iron	ppm	▲ 232	---	---	---
Copper	ppm	█ 17	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	6	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 9	---	---	---
Magnesium	ppm	█ 10	---	---	---
Zinc	ppm	█ 59	---	---	---
Phosphorus	ppm	█ 1302	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 287	---	---	---

Depot: VP152741

Unique No: 10847403

Signed: Doug Bogart

Report Date: 26 Jan 2024

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GRAPHS

