

OIL ANALYSIS REPORT

**VOLVO
PENTA**

NADINE URCIOLI MICHAEL WALTER V-DRIVE (S/N NOT GIVEN) - CENTER GEARBOX

Sample No: VPA054888

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA054888	---	---	---
Sample Date	23 Apr 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Helmut's Marine Service
619 Canal Street
SAN RAFAEL, CA
US 94901-3545
Contact: NADINE URCIOLI
SERVICE@HELMUTSMARINE.COM
T: x:
F: x:

OIL CONDITION

Visc @ 40°C	cSt	■ 81.0	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 9	---	---	---
Sodium	ppm	■ 8	---	---	---
Potassium	ppm	■ 4	---	---	---

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.

WEAR METALS

PQ		■ 21	---	---	---
Iron	ppm	■ 13	---	---	---
Copper	ppm	■ 12	---	---	---
Lead	ppm	■ 3	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	12	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1785	---	---	---
Magnesium	ppm	635	---	---	---
Zinc	ppm	882	---	---	---
Phosphorus	ppm	858	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	148	---	---	---

Depot: VP152741
Unique No: 11016362
Signed: Jonathan Hester
Report Date: 08 May 2024

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GRAPHS

