

OIL ANALYSIS REPORT

VOLVO PENTA

NADINE URUIOLI 2300549-ELYSIAN SHOR VOLVO PENTA 51220259117 - CENTER DRIVE

Sample No: VPA041591

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA041591	---	---	---
Sample Date	06 Nov 2023	---	---	---
Machine Hours	654	---	---	---
Oil Hours	654	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 64.9	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	5	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 0	---	---	---

WEAR METALS

PQ		█ 13	---	---	---
Iron	ppm	█ 12	---	---	---
Copper	ppm	█ 14	---	---	---
Lead	ppm	3	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 59	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1045	---	---	---
Magnesium	ppm	█ 933	---	---	---
Zinc	ppm	█ 1192	---	---	---
Phosphorus	ppm	█ 1120	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ 9	---	---	---

Helmut's Marine Service

619 Canal Street

SAN RAFAEL, CA

US 94901-3545

Contact: NADINE URUIOLI

SERVICE@HELMUTSMARINE.COM

T: x:

F: x:

Diagnosis

Oil and filter change at the time of sampling has been noted. 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: VP152741

Unique No: 10762941

Signed: Doug Bogart

Report Date: 28 Nov 2023

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GRAPHS

