

OIL ANALYSIS REPORT

VOLVO PENTA

NADINE URCIUOLI MACFEETERS 2300476 VOLVO PENTA 0021790 - STERNDRIVE - SAILDRIVE - CENTER GEARBOX

Sample No: VPA049667

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA049667	---	---	---
Sample Date	14 Sep 2023	---	---	---
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 URCIUOLI
SERVICE@HELMUTSMARINE.COM

T: x:

F: x:

OIL CONDITION

Visc @ 40°C	cSt	■ 84.7	---	---	---
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CONTAMINATION

Silicon	ppm	■ 11	---	---	---
Sodium	ppm	■ 7	---	---	---
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		■ 20	---	---	---
Iron	ppm	■ 15	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 6	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	■ 2037	---	---	---
Magnesium	ppm	■ 1061	---	---	---
Zinc	ppm	■ 1257	---	---	---
Phosphorus	ppm	■ 1130	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 184	---	---	---

Depot: VP152741

Unique No: 10662017

Signed: Don Baldrige

Report Date: 27 Sep 2023

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GRAPHS

