

OIL ANALYSIS REPORT

VOLVO PENTA

JOE NIEMER 501985 VOLVO PENTA 3940017710 - PORT IPS

Sample No: VPA056293

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA056293	---	---	---
Sample Date	27 Jun 2023	---	---	---
Machine Hours	450	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

Endor Marine LLC - Coastal Marine - 152124
4300 11th Ave. NW
SEATTLE, WA
US 98107
Contact: WILLOW YANARELLA
service@coastalmarineengine.com
T: (206)784-3703
F: (206)784-8823

OIL CONDITION

Visc @ 40°C	cSt	■ 105	---	---	---
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CONTAMINATION

Silicon	ppm	■ 19	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ 2	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. 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		■ 23	---	---	---
Iron	ppm	▲ 236	---	---	---
Copper	ppm	■ 16	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 3	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ 7	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 8	---	---	---
Magnesium	ppm	■ 18	---	---	---
Zinc	ppm	■ 53	---	---	---
Phosphorus	ppm	■ 1335	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 349	---	---	---

Depot: VP794951
Unique No: 10549804
Signed: Doug Bogart
Report Date: 11 Jul 2023

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GRAPHS

