

OIL ANALYSIS REPORT

VOLVO PENTA

APEX APEX VOLVO PENTA 3100002229 - STERNDRIVE - GEARBOX

Sample No: VPA051944

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA051944	---	---	---
Sample Date	26 Sep 2023	---	---	---
Machine Hours	301	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

North Harbor Diesel Inc
720 30Th Street
ANACORTES, WA
US 98221
Contact: ROBBIN MURDOCK
robbin@northharbordiesel.com
T: (360)299-1904
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 103	---	---	---
-------------	-----	-------	-----	-----	-----

CONTAMINATION

Water	%	▲ 0.744	---	---	---
Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ 62	---	---	---
Potassium	ppm	■ 7	---	---	---

WEAR METALS

PQ		■ 16	---	---	---
Iron	ppm	▲ 157	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 8	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	29	---	---	---
Magnesium	ppm	173	---	---	---
Zinc	ppm	0	---	---	---
Phosphorus	ppm	1663	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	161	---	---	---

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP179089
Unique No: 10675779
Signed: Don Baldrige
Report Date: 06 Oct 2023

OIL ANALYSIS REPORT



GRAPHS

