

# OIL ANALYSIS REPORT

# VOLVO PENTA

## 20014512 - INBOARD - STARBOARD GEARBOX

Sample No: VPA055776

Oil Type: SAE 30W

### SAMPLE INFORMATION

Sample Number	VPA055776	---	---	---
Sample Date	11 Sep 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

### OIL CONDITION

Visc @ 40°C	cSt	■ 93.83	---	---	---
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### CONTAMINATION

Water	%	● 1.01	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 9	---	---	---
Potassium	ppm	■ 3	---	---	---

### WEAR METALS

PQ		■ 28	---	---	---
Iron	ppm	■ 64	---	---	---
Copper	ppm	▲ 530	---	---	---
Lead	ppm	■ 15	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	▲ 156	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 53	---	---	---
Nickel	ppm	■ 4	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	■ 1335	---	---	---
Magnesium	ppm	■ 702	---	---	---
Zinc	ppm	■ 1126	---	---	---
Phosphorus	ppm	■ 1095	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 6	---	---	---

### ADVANCED DIESEL

1029 INDUSTRIAL BLVD, UNIT 2  
NAPLES, FL  
US 34104  
Contact: KEITH SPICER  
keith\_advanceddiesel@yahoo.com  
T: (239)580-8731  
F:

### Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Aluminum and copper ppm levels are abnormal. Appearance is hazy. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VPADVNPAP  
Unique No: 10645717  
Signed: Doug Bogart  
Report Date: 14 Sep 2023

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## GRAPHS

