

# OIL ANALYSIS REPORT

# VOLVO PENTA

## MERCURY ZEUS (S/N NOT GIVEN) - STARBOARD GEARBOX

**Sample No:** VPA060615  
**Oil Type:** QUICKSILVER SAE 90

### SAMPLE INFORMATION

Sample Number	VPA060615	---	---	---
Sample Date	13 Mar 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

### OIL CONDITION

Visc @ 40°C	cSt	█ 154.9	---	---	---
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### CONTAMINATION

Water	%	▲ 0.246	---	---	---
Silicon	ppm	▲ 110	---	---	---
Sodium	ppm	█ 23	---	---	---
Potassium	ppm	█ 4	---	---	---

### WEAR METALS

PQ		█ 70	---	---	---
Iron	ppm	█ 136	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	54	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	89	---	---	---
Magnesium	ppm	5	---	---	---
Zinc	ppm	27	---	---	---
Phosphorus	ppm	315	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	3	---	---	---

### 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. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. There is a light concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VPADVNPAP  
**Unique No:** 10928787  
**Signed:** Doug Bogart  
**Report Date:** 15 Mar 2024

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## GRAPHS

