

# OIL ANALYSIS REPORT

# VOLVO PENTA

## IGOR DONIN MERCURISER 2A639714 - PORT GASOLINE ENGINE

Sample No: VPA056184

Oil Type: QUICKSILVER 25W40 SYN BLEND

### SAMPLE INFORMATION

Sample Number	VPA056184	---	---	---
Sample Date	13 Oct 2023	---	---	---
Machine Hours	150	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

### OIL CONDITION

Visc @ 100°C	cSt	▲ 8	---	---	---
Base Number (BN)	mg KOH/g	■ 10.2	---	---	---
Oxidation (PA)	%	■ 15	---	---	---

### CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 9	---	---	---
Sulfation (PA)	%	■ 11	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	◆ 19.1	---	---	---
Silicon	ppm	■ 14	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 0	---	---	---

### WEAR METALS

Iron	ppm	■ 9	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 42	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	■ 0	---	---	---

### ADDITIVES

Calcium	ppm	■ 1826	---	---	---
Magnesium	ppm	■ 21	---	---	---
Zinc	ppm	■ 708	---	---	---
Phosphorus	ppm	■ 628	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 154	---	---	---

#### Skipper Bud's

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#### Diagnosis

We advise that you check the fuel injection system. 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. All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP211714  
Unique No: 10699567  
Signed: Jonathan Hester  
Report Date: 20 Oct 2023

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## GRAPHS

