

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## GREG GRIFFITH CUSADER CRUSADER 8.0 HO (S/N NOT READABLE) - STARBOARD GASOLINE ENGINE

**Sample No:** VPA049872

**Oil Type:** DIESEL ENGINE OIL SAE 40

### SAMPLE INFORMATION

Sample Number	VPA049872	---	---	---
Sample Date	10 Apr 2024	---	---	---
Machine Hours	1146	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Base Number (BN)	mg KOH/g	█ 9.0	---	---	---
Oxidation (PA)	%	20	---	---	---

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	7	---	---	---
Sulfation (PA)	%	14	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ 10	---	---	---
Potassium	ppm	█ 10	---	---	---

### WEAR METALS

Iron	ppm	█ 30	---	---	---
Copper	ppm	█ 49	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	█ 2213	---	---	---
Magnesium	ppm	█ 25	---	---	---
Zinc	ppm	█ 1149	---	---	---
Phosphorus	ppm	█ 941	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 201	---	---	---

### YACHT BASIN MARINA

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### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

**Depot:** VP718610

**Unique No:** 10978422

**Signed:** Sean Felton

**Report Date:** 17 Apr 2024

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## GRAPHS

