

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

**HORIZON YACHT CHARTERS 14331/14256 CUMMINS K160120512 - GENSET**

**Sample No:** VPA055074

**Oil Type:** VOLVO

## SAMPLE INFORMATION

Sample Number	VPA055074	---	---	---
Sample Date	19 Jul 2023	---	---	---
Machine Hours	1251	---	---	---
Oil Hours	1251	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

## OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Base Number (BN)	mg KOH/g	8.6	---	---	---
Oxidation (PA)	%	72	---	---	---

## CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	69	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 3	---	---	---

## WEAR METALS

Iron	ppm	█ 13	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	36	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	1411	---	---	---
Magnesium	ppm	597	---	---	---
Zinc	ppm	935	---	---	---
Phosphorus	ppm	747	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	61	---	---	---

## PARTS & POWER

PO BOX 1305498, PMB1000-00  
ST THOMAS, VI  
US 00803  
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F:

## 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 acceptable for the time in service.

**Depot:** VP981217  
**Unique No:** 10589921  
**Signed:** Sean Felton  
**Report Date:** 09 Aug 2023

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## GRAPHS

