

# OIL ANALYSIS REPORT



## CRUZ NORTHERN LIGHTS 6732-51261 - GENSET

**Sample No:** VPA059077  
**Oil Type:** NOT GIVEN

### SAMPLE INFORMATION

Sample Number	VPA059077	---	---	---
Sample Date	17 Nov 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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### OIL CONDITION

Visc @ 100°C	cSt	▲ 12.4	---	---	---
Base Number (BN)	mg KOH/g	8.6	---	---	---
Oxidation (PA)	%	60	---	---	---

### Diagnosis

We advise that you check the fuel injection system. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of fuel present in the oil. No other contaminants were detected 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.

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 7.2	---	---	---
Silicon	ppm	■ 18	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 4	---	---	---

### WEAR METALS

Iron	ppm	■ 6	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	12	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 68	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	1	---	---	---

### ADDITIVES

Calcium	ppm	1626	---	---	---
Magnesium	ppm	383	---	---	---
Zinc	ppm	1147	---	---	---
Phosphorus	ppm	970	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	132	---	---	---

**Depot:** VP288530  
**Unique No:** 10755304  
**Signed:** Doug Bogart  
**Report Date:** 30 Nov 2023

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# VOLVO PENTA

## GRAPHS

