

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

**ANDREW FISCHER PANDA 173932 - CENTER GENSET**

**Sample No:** VPA036982

**Oil Type:** SHELL 15W40

## SAMPLE INFORMATION

Sample Number	VPA036982	---	---	---
Sample Date	30 Oct 2023	---	---	---
Machine Hours	265	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

## OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	---	---	---
Base Number (BN)	mg KOH/g	7.3	---	---	---
Oxidation (PA)	%	60	---	---	---

## CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	52	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 17	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---

## WEAR METALS

Iron	ppm	█ 16	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 82	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 1434	---	---	---
Magnesium	ppm	█ 325	---	---	---
Zinc	ppm	█ 1163	---	---	---
Phosphorus	ppm	█ 1016	---	---	---
Barium	ppm	█ 5	---	---	---
Boron	ppm	█ 368	---	---	---

### GRAND BANKS

450 SW SALEM RD

STUART, FL

US 34994

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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 suitable for further service.

**Depot:** VP531377

**Unique No:** 10723245

**Signed:** Don Baldrige

**Report Date:** 02 Nov 2023

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## GRAPHS

