

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

**MURPHY GIRL 10072 H51973 - CENTER DIESEL ENGINE**

**Sample No:** VPA058426

**Oil Type:** SHELL ROTELLA T 15W40

## SAMPLE INFORMATION

Sample Number	VPA058426	---	---	---
Sample Date	27 Nov 2023	---	---	---
Machine Hours	852	---	---	---
Oil Hours	21	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

## OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Base Number (BN)	mg KOH/g	█ 8.5	---	---	---
Oxidation (PA)	%	59	---	---	---

## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 4	---	---	---

## WEAR METALS

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	24	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 2293	---	---	---
Magnesium	ppm	█ 38	---	---	---
Zinc	ppm	█ 1338	---	---	---
Phosphorus	ppm	█ 1099	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 152	---	---	---

### The Talaria Company

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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:** VP592286

**Unique No:** 10767895

**Signed:** Sean Felton

**Report Date:** 05 Dec 2023

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## GRAPHS

