



# CONSTRUCTION EQUIPMENT

A69037 VOLVO PTR240 4352 107 - DIESEL ENGINE



**Sample No:** VCP304471  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** A69037



## SAMPLE INFORMATION

Sample Number	VCP304471	---	---	---
Sample Date	29 May 2024	---	---	---
Machine Hours	904	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

**CHADWICK-BAROSS INC MAIN**  
 PO BOX 4500  
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 US 04098  
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## OIL CONDITION

Visc @ 100°C	cSt	▲ 7.54	---	---	---
Base Number (BN)	mg KOH/g	■ 9.4	---	---	---
Oxidation (PA)	%	68	---	---	---

## Diagnosis

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Metal levels are typical for a new component breaking in. There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.4	---	---	---
Nitration (PA)	%	58	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 19.5	---	---	---
Silicon	ppm	■ 11	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 1	---	---	---



## WEAR METALS

Iron	ppm	■ 22	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ 38	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 4	---	---	---
Molybdenum	ppm	■ 49	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	■ 996	---	---	---
Magnesium	ppm	■ 609	---	---	---
Zinc	ppm	■ 926	---	---	---
Phosphorus	ppm	■ 843	---	---	---
Barium	ppm	■ 1	---	---	---
Boron	ppm	■ 21	---	---	---

**Depot:** VOLVO0006  
**Unique No:** 11057064  
**Signed:** Wes Davis  
**Report Date:** 04 Jun 2024



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## GRAPHS

