

# OIL ANALYSIS REPORT

# VOLVO PENTA

**LIN COOPER NATE P/6636 VOLVO/ZF 130S-B 51300717310 - INBOARD - CENTER GEARBOX**

**Sample No:** VPA060755

**Oil Type:** DIESEL ENGINE OIL SAE 15W40

## SAMPLE INFORMATION

Sample Number	VPA060755	---	---	---
Sample Date	28 Apr 2024	---	---	---
Machine Hours	900	---	---	---
Oil Hours	5	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ATTENTION	---	---	---

**Northwest Diesel Power**  
1325 ROEDER AVE SUITE 103  
BELLINGHAM, WA  
US 98225  
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T: (360)739-9525  
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## OIL CONDITION

Visc @ 40°C	cSt	■ 77.6	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 33	---	---	---
Potassium	ppm	■ 3	---	---	---

## WEAR METALS

PQ		■ 146	---	---	---
Iron	ppm	■ 93	---	---	---
Copper	ppm	● 115	---	---	---
Lead	ppm	■ 7	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 65	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	■ 1184	---	---	---
Magnesium	ppm	■ 654	---	---	---
Zinc	ppm	■ 1153	---	---	---
Phosphorus	ppm	■ 1072	---	---	---
Barium	ppm	■ 8	---	---	---
Boron	ppm	■ 286	---	---	---

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VP759009  
**Unique No:** 11006738  
**Signed:** Jonathan Hester  
**Report Date:** 05 May 2024

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## GRAPHS

