

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

**CLAUDE MOSS 6255 YANMAR KM4A 03621 - INBOARD GEARBOX**

**Sample No:** VPA045882

**Oil Type:** NOT GIVEN

## SAMPLE INFORMATION

Sample Number	VPA045882	---	---	---
Sample Date	24 Aug 2023	---	---	---
Machine Hours	45	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

**Northwest Diesel Power**  
1325 ROEDER AVE SUITE 103  
BELLINGHAM, WA  
US 98225  
Contact: BRANDON ROBERTSON  
parts@nwdieselpower.com  
T:  
F:

## OIL CONDITION

Visc @ 40°C	cSt	■ 87.89	---	---	---
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## CONTAMINATION

Silicon	ppm	▲ 57	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ <1	---	---	---

## 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. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

## WEAR METALS

PQ		■ 19	---	---	---
Iron	ppm	■ 17	---	---	---
Copper	ppm	▲ 97	---	---	---
Lead	ppm	■ 32	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 59	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	3612	---	---	---
Magnesium	ppm	15	---	---	---
Zinc	ppm	1206	---	---	---
Phosphorus	ppm	1084	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	426	---	---	---

**Depot:** VP759009  
**Unique No:** 10621762  
**Signed:** Doug Bogart  
**Report Date:** 28 Aug 2023

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## GRAPHS

