

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## DAVID JOHNSON WESTERBEKE 50831 - INBOARD - CENTER GEARBOX

Sample No: VPA056804

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA056804	---	---	---
Sample Date	17 Jul 2023	---	---	---
Machine Hours	1773	---	---	---
Oil Hours	70	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

FLORIDA DETROIT DIESEL - 531006 - 1125774

1128 CHESTNUT AVE

PANAMA CITY, FL

US 32401

Contact: RICHARD ROBERTS

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F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	---	---	---
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### CONTAMINATION

Silicon	ppm	█ 13	---	---	---
Sodium	ppm	█ 20	---	---	---
Potassium	ppm	█ 13	---	---	---

### 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.

### WEAR METALS

Iron	ppm	█ 46	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 19	---	---	---
Chromium	ppm	█ 5	---	---	---
Molybdenum	ppm	█ 4	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ <1	---	---	---

### ADDITIVES

Calcium	ppm	█ 2240	---	---	---
Magnesium	ppm	█ 59	---	---	---
Zinc	ppm	█ 1216	---	---	---
Phosphorus	ppm	█ 982	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 198	---	---	---

Depot: VPFLOPAN

Unique No: 10564306

Signed: Jonathan Hester

Report Date: 24 Jul 2023

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## GRAPHS

