

# OIL ANALYSIS REPORT

# VOLVO PENTA

## JOHN MCCOLLOCH NORTHERN LIGHTS 6732-47079C - GENSET

**Sample No:** VPA055393  
**Oil Type:** DIESEL ENGINE OIL SAE 40

### SAMPLE INFORMATION

Sample Number	VPA055393	---	---	---
Sample Date	18 Oct 2023	---	---	---
Machine Hours	175	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

### WESTERN BRANCH DIESEL

6881 BULLDOG DR N  
CHARLESTON, SC  
US 29406  
Contact: MICHAEL JORDAN  
mjordan@wbdiesel.com  
T:  
F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	---	---	---
Base Number (BN)	mg KOH/g	█ 9.4	---	---	---
Oxidation (PA)	%	57	---	---	---

### CONTAMINATION

Soot %	%	█ 0	---	---	---
Nitration (PA)	%	45	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ < 1	---	---	---
Potassium	ppm	█ 2	---	---	---

### 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	█ 4	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ < 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 50	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1222	---	---	---
Magnesium	ppm	█ 878	---	---	---
Zinc	ppm	█ 1335	---	---	---
Phosphorus	ppm	█ 1048	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 36	---	---	---

**Depot:** VP1165983  
**Unique No:** 10710525  
**Signed:** Don Baldrige  
**Report Date:** 26 Oct 2023

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## GRAPHS

