

# OIL ANALYSIS REPORT

# VOLVO PENTA

## DARDEN MARINE 3794 VOLVO PENTA 40569669 - CENTER DIESEL ENGINE

Sample No: VPA055702

Oil Type: DIESEL ENGINE OIL SAE 40

### SAMPLE INFORMATION

Sample Number	VPA055702	---	---	---
Sample Date	29 Dec 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

### WESTERN BRANCH DIESEL

6881 BULLDOG DR N

CHARLESTON, SC

US 29406

Contact: MICHAEL JORDAN

mdjordan@wbdiesel.com

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### OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	---	---	---
Base Number (BN)	mg KOH/g	█ 9.4	---	---	---
Oxidation (PA)	%	63	---	---	---

### 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 acceptable for the time in service.

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	55	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ < 1	---	---	---

### WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 61	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1068	---	---	---
Magnesium	ppm	█ 991	---	---	---
Zinc	ppm	█ 1260	---	---	---
Phosphorus	ppm	█ 1016	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 3	---	---	---

Depot: VP1165983

Unique No: 10817255

Signed: Don Baldrige

Report Date: 06 Jan 2024

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## GRAPHS

