

# OIL ANALYSIS REPORT

# VOLVO PENTA

## TREY DARBY TY VOLVO PENTA A1061088 - PORT DIESEL ENGINE

Sample No: VPA038295

Oil Type: VOLVO

### SAMPLE INFORMATION

Sample Number	VPA038295	---	---	---
Sample Date	12 Dec 2023	---	---	---
Machine Hours	154	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### Commodore Marine LP

132 Grandpappy Dr.  
DENISON, TX  
US 75020  
Contact: Angie Bauer  
service@grandpappy.com

T:  
F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	---	---	---
Base Number (BN)	mg KOH/g	█ 9.1	---	---	---
Oxidation (PA)	%	61	---	---	---

### 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 %	%	█ 0.1	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 20	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 2	---	---	---

### WEAR METALS

Iron	ppm	█ 22	---	---	---
Copper	ppm	█ 12	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 18	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 53	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1545	---	---	---
Magnesium	ppm	█ 462	---	---	---
Zinc	ppm	█ 1220	---	---	---
Phosphorus	ppm	█ 992	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 114	---	---	---

Depot: VP648181  
Unique No: 10792791  
Signed: Don Baldrige  
Report Date: 20 Dec 2023

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## GRAPHS

