

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VICTOR RETTERS VOLVO PENTA A1175100 - PORT DIESEL ENGINE

Sample No: VPA056739

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

### SAMPLE INFORMATION

Sample Number	VPA056739	---	---	---
Sample Date	17 Jul 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	196	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### Johnson Diesel Service Inc

12262 Parkers Creek Road

Biloxi, MS

US 39532

Contact: ROBBY R.

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F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	---	---	---
Base Number (BN)	mg KOH/g	█ 9.9	---	---	---
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

Soot %	%	█ 0	---	---	---
Nitration (PA)	%	63	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 21	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 3	---	---	---

### WEAR METALS

Iron	ppm	█ 32	---	---	---
Copper	ppm	█ 20	---	---	---
Lead	ppm	█ 7	---	---	---
Tin	ppm	█ 4	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 54	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1281	---	---	---
Magnesium	ppm	█ 853	---	---	---
Zinc	ppm	█ 1212	---	---	---
Phosphorus	ppm	█ 1010	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 31	---	---	---

Depot: VP99031115

Unique No: 10659169

Signed: Don Baldrige

Report Date: 23 Sep 2023

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## GRAPHS

