

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## CUMMINS 73817618 - PORT DIESEL ENGINE

Sample No: VPA052642

Oil Type: {unknown}

### SAMPLE INFORMATION

Sample Number	VPA052642	---	---	---
Sample Date	27 Jun 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### ALL SYSTEMS MARINE

3910 WEST NAVY BLVD  
PENSACOLA, FL  
US 32507  
Contact: TRISTAN JOHNSON  
allsystemsmarine@yahoo.com  
T: (228)218-7963  
F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 14.6	---	---	---
Base Number (BN)	mg KOH/g	█ 8.4	---	---	---
Oxidation (PA)	%	74	---	---	---

### 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.

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	66	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

### WEAR METALS

Iron	ppm	█ 21	---	---	---
Copper	ppm	█ 12	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 36	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	< 1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1561	---	---	---
Magnesium	ppm	█ 668	---	---	---
Zinc	ppm	█ 1046	---	---	---
Phosphorus	ppm	█ 869	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 58	---	---	---

Depot: VP99220003  
Unique No: 11102460  
Signed: Jonathan Hester  
Report Date: 02 Jul 2024

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## GRAPHS

