

# OIL ANALYSIS REPORT



## JAKE FARLEY CATERPILLAR RNC-02304 - PORT DIESEL ENGINE

Sample No: VPA051737

Oil Type: CAT DIESEL ENGINE OIL 15W40

### SAMPLE INFORMATION

Sample Number	VPA051737	---	---	---
Sample Date	14 Aug 2023	---	---	---
Machine Hours	100	---	---	---
Oil Hours	100	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

### Edward's Marine and Sons

12741 Sunset Ave  
OCEAN CITY, MD  
US 21842

Contact: Edward Bartholme  
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### OIL CONDITION

Visc @ 100°C	cSt	█ 12.7	---	---	---
Base Number (BN)	mg KOH/g	█ 9.9	---	---	---
Oxidation (PA)	%	73	---	---	---

### 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 %	%	█ 0.3	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ < 1	---	---	---

### WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 14	---	---	---
Lead	ppm	█ < 1	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 40	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1718	---	---	---
Magnesium	ppm	█ 500	---	---	---
Zinc	ppm	█ 1158	---	---	---
Phosphorus	ppm	█ 978	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 52	---	---	---

Depot: VP551029  
Unique No: 10618329  
Signed: Sean Felton  
Report Date: 25 Aug 2023

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# VOLVO PENTA

## GRAPHS

