

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## 15194 CRUSADER 650512 - PORT GASOLINE ENGINE

Sample No: VPA060961

Oil Type: {unknown}

### SAMPLE INFORMATION

Sample Number	VPA060961	---	---	---
Sample Date	02 Feb 2024	---	---	---
Machine Hours	870	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

#### W J Clark Inc

4517 Dunning Road  
NORFOLK, VA  
US 23518  
Contact: WALTER CLARK  
ychtfixer@aol.com

T:  
F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 10.9	---	---	---
Base Number (BN)	mg KOH/g	█ 8.5	---	---	---
Oxidation (PA)	%	20	---	---	---

### 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)	%	12	---	---	---
Sulfation (PA)	%	15	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 13	---	---	---
Sodium	ppm	█ 84	---	---	---
Potassium	ppm	█ 9	---	---	---

### WEAR METALS

Iron	ppm	█ 70	---	---	---
Copper	ppm	█ 46	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	27	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	1662	---	---	---
Magnesium	ppm	225	---	---	---
Zinc	ppm	1083	---	---	---
Phosphorus	ppm	782	---	---	---
Barium	ppm	5	---	---	---
Boron	ppm	64	---	---	---

Depot: VP151520  
Unique No: 10863248  
Signed: Jonathan Hester  
Report Date: 08 Feb 2024

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GRAPHS

