

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## SCOTT HUNSAKER M.C. VOLVO PENTA 2013541688 - STARBOARD DIESEL ENGINE

Sample No: VPA037815

Oil Type: VOLVO PENTA SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA037815	---	---	---
Sample Date	22 Sep 2022	---	---	---
Machine Hours	985	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	---	---	---
Base Number (BN)	mg KOH/g	█ 10.3	---	---	---
Oxidation (PA)	%	63	---	---	---

### CONTAMINATION

Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	56	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 1	---	---	---

### WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 61	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1143	---	---	---
Magnesium	ppm	█ 953	---	---	---
Zinc	ppm	█ 1252	---	---	---
Phosphorus	ppm	█ 1006	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 2	---	---	---

#### BAY MARINE

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WAUKEGAN, IL  
US 60085

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T:  
F:

#### 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.

Depot: VP1174336

Unique No: 10152019

Signed: Jonathan Hester

Report Date: 29 Sep 2022

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## GRAPHS

