

# OIL ANALYSIS REPORT

# VOLVO PENTA

## REEFS END SIDEBAR H2O VOLVO PENTA A796782 - PORT DIESEL ENGINE

Sample No: VPA056466

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

### SAMPLE INFORMATION

Sample Number	VPA056466	VPA040056	---	---
Sample Date	21 Feb 2024	08 Mar 2022	---	---
Machine Hours	643	516	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	█ 13.7	---	---
Base Number (BN)	mg KOH/g	█ 9.6	█ 10.8	---	---
Oxidation (PA)	%	62	67	---	---

### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.2	█ 0.2	---	---
Nitration (PA)	%	60	66	---	---
Sulfation (PA)	%	54	58	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 9	█ 5	---	---
Sodium	ppm	█ 3	█ 1	---	---
Potassium	ppm	█ 1	█ 0	---	---

### WEAR METALS

Iron	ppm	█ 15	█ 14	---	---
Copper	ppm	█ 15	█ 10	---	---
Lead	ppm	█ 2	█ 2	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 8	█ 3	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 58	█ 56	---	---
Nickel	ppm	█ 2	█ 3	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	0	---	---

### ADDITIVES

Calcium	ppm	█ 1024	█ 1089	---	---
Magnesium	ppm	█ 955	█ 1003	---	---
Zinc	ppm	█ 1331	█ 1197	---	---
Phosphorus	ppm	█ 1098	█ 1049	---	---
Barium	ppm	█ 7	█ 0	---	---
Boron	ppm	█ 0	█ 3	---	---

### MARINE DIESEL SERVICES INC

1711 WHITTIER AVE, SUITE B

COSTA MESA, CA

US 92627

Contact: BEN ALMAZAN

marinedieselservices@outlook.com;BEN@MARINEDIESELSERVICE.COM

T: (949)612-8180

F: x:

### Diagnosis

No corrective action is recommended at this time. 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: VP288530

Unique No: 10903172

Signed: Doug Bogart

Report Date: 01 Mar 2024

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## GRAPHS

