

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA A1089341 - STARBOARD DIESEL ENGINE

Sample No: VPA059575

Oil Type: VOLVO

### SAMPLE INFORMATION

Sample Number	VPA059575	---	---	---
Sample Date	22 Jan 2024	---	---	---
Machine Hours	664	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

### Marine International Diesels Inc.

3600 HACIENDA BLVD UNIT G

DAVIE, FL

US 33314

Contact: JEF BURKE

midjef@gmail.com;canastasio@wearcheckusa.com

T:

F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	---	---	---
Base Number (BN)	mg KOH/g	█ 7.6	---	---	---
Oxidation (PA)	%	54	---	---	---

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.7	---	---	---
Nitration (PA)	%	56	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 4	---	---	---

### 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.

### WEAR METALS

Iron	ppm	█ 28	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 13	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 23	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ < 1	---	---	---
Manganese	ppm	< 1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1708	---	---	---
Magnesium	ppm	█ 333	---	---	---
Zinc	ppm	█ 1063	---	---	---
Phosphorus	ppm	█ 909	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 56	---	---	---

Depot: VP694356

Unique No: 10846505

Signed: Don Baldrige

Report Date: 26 Jan 2024

# OIL ANALYSIS REPORT



## GRAPHS

