

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA A496584 - STARBOARD DIESEL ENGINE

Sample No: VPA046101
Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA046101	---	---	---
Sample Date	05 Dec 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

Monmouth Marine Engines Inc
536 UNION LN
BRIELLE, NJ
US 08730-1421
Contact: Kenneth Mika
monmouthmarine@gmail.com
T: x:
F: x:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Base Number (BN)	mg KOH/g	█ 10.5	---	---	---
Oxidation (PA)	%	73	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	39	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ < 1	---	---	---
Potassium	ppm	█ 2	---	---	---

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	█ 4	---	---	---
Copper	ppm	█ < 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 41	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1447	---	---	---
Magnesium	ppm	█ 517	---	---	---
Zinc	ppm	█ 884	---	---	---
Phosphorus	ppm	706	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 62	---	---	---

Depot: VP153457
Unique No: 10775990
Signed: Don Baldrige
Report Date: 07 Dec 2023

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GRAPHS

