

OIL ANALYSIS REPORT

**VOLVO
PENTA**

44568 VOLVO PENTA 7008483297 - STARBOARD DIESEL ENGINE

Sample No: VPA055142
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA055142	VPA037501	---	---
Sample Date	13 Mar 2024	27 Dec 2021	---	---
Machine Hours	542	0	---	---
Oil Hours	36	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

COASTAL CAROLINA YACHT SALES
145 LOCKWOOD BLVD
CHARLESTON, SC
US 29403
Contact: STEVE VASAS
steve@ccyachtsales.com
T:
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	█ 13.8	---	---
Base Number (BN)	mg KOH/g	█ 10.1	█ 10.7	---	---
Oxidation (PA)	%	57	61	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.2	█ 0.8	---	---
Nitration (PA)	%	42	61	---	---
Sulfation (PA)	%	52	59	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	< 1.0	< 1.0	---	---
Silicon	ppm	█ 7	█ 18	---	---
Sodium	ppm	█ 0	█ 3	---	---
Potassium	ppm	█ 0	█ 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	█ 11	█ 29	---	---
Copper	ppm	█ 8	█ 68	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ < 1	---	---
Aluminum	ppm	█ 0	█ 2	---	---
Chromium	ppm	█ 0	█ 1	---	---
Molybdenum	ppm	█ 58	█ 66	---	---
Nickel	ppm	█ 0	█ 2	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 0	█ < 1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1205	█ 1119	---	---
Magnesium	ppm	█ 952	1085	---	---
Zinc	ppm	█ 1254	█ 1322	---	---
Phosphorus	ppm	█ 1091	█ 1157	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 8	█ 4	---	---

Depot: VP568144
Unique No: 10929303
Signed: Sean Felton
Report Date: 20 Mar 2024

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GRAPHS

