

OIL ANALYSIS REPORT

VOLVO PENTA

BELLA LUNA 23-2679 VOLVO PENTA 3940016817 - STARBOARD IPS

Sample No: VPA057483

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA057483	VPA045333	---	---
Sample Date	15 Dec 2023	28 Mar 2023	---	---
Machine Hours	614	552	---	---
Oil Hours	62	50	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	SEVERE	NORMAL	---	---

Outstanding Marine

PO Box 274
GALENA, MD
US 21635
Contact: Ronda Bolinger
rlwb@verizon.net
T:
F:

OIL CONDITION

Visc @ 40°C	cSt	█ 109	█ 108	---	---
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CONTAMINATION

Water	%	█ 1.99	NEG	---	---
Silicon	ppm	█ 15	7	---	---
Sodium	ppm	█ 65	<1	---	---
Potassium	ppm	█ 7	0	---	---

WEAR METALS

PQ		█ 29	█ 13	---	---
Iron	ppm	█ 157	█ 21	---	---
Copper	ppm	█ 10	2	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	█ 2	0	---	---
Aluminum	ppm	█ 3	0	---	---
Chromium	ppm	█ 2	<1	---	---
Molybdenum	ppm	█ <1	<1	---	---
Nickel	ppm	█ 2	0	---	---
Titanium	ppm	█ 0	<1	---	---
Silver	ppm	█ 0	0	---	---
Manganese	ppm	█ 4	█ 1	---	---
Vanadium	ppm	█ 0	0	---	---

ADDITIVES

Calcium	ppm	█ 18	█ 0	---	---
Magnesium	ppm	█ 18	█ 0	---	---
Zinc	ppm	█ 44	█ 0	---	---
Phosphorus	ppm	█ 1418	█ 1240	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 310	█ 292	---	---

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP153685
Unique No: 10793371
Signed: Jonathan Hester
Report Date: 20 Dec 2023

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GRAPHS

