

OIL ANALYSIS REPORT

VOLVO PENTA

SILVER SEAS YACHTS BRANDON VOLVO PENTA 3940022444 - PORT IPS

Sample No: VPA052336

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA052336	VPA051752	VPA034658	---
Sample Date	16 Apr 2024	29 Aug 2023	22 Jun 2020	---
Machine Hours	166	154	100	---
Oil Hours	0	154	10	---
Oil Changed	N/A	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

Helmut's Marine Service

619 Canal Street
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US 94901-3545
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SERVICE@HELMUTSMARINE.COM

T: x:

F: x:

OIL CONDITION

Visc @ 40°C	cSt	█ 106.1	█ 105	█ 106	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	█ 8	█ 9	10	---
Sodium	ppm	█ <1	█ 2	█ 1	---
Potassium	ppm	█ 0	█ <1	█ <1	---

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 condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		█ 19	█ 14	█ 18	---
Iron	ppm	█ 7	█ 14	█ 16	---
Copper	ppm	█ <1	█ 2	3	---
Lead	ppm	0	█ 0	0	---
Tin	ppm	0	█ 0	0	---
Aluminum	ppm	0	█ <1	<1	---
Chromium	ppm	█ 0	█ <1	█ <1	---
Molybdenum	ppm	█ 0	█ 0	<1	---
Nickel	ppm	█ 0	█ <1	█ 0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	█ <1	█ <1	1	---
Vanadium	ppm	<1	0	0	---

ADDITIVES

Calcium	ppm	█ 2	█ 2	9	---
Magnesium	ppm	█ 2	█ 2	74	---
Zinc	ppm	█ 0	█ 4	7	---
Phosphorus	ppm	█ 1212	█ 1390	1307	---
Barium	ppm	█ 0	█ 2	0	---
Boron	ppm	█ 312	█ 351	319	---

Depot: VP152741

Unique No: 10991996

Signed: Doug Bogart

Report Date: 22 Apr 2024

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GRAPHS

