

OIL ANALYSIS REPORT

VOLVO PENTA

HAL WILSON 44182 VOLVO PENTA 3940021838 - PORT IPS

Sample No: VPA049777

Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5

SAMPLE INFORMATION

Sample Number	VPA049777	VPA034035	VPA031440	---
Sample Date	11 Jan 2024	31 Jan 2023	07 Feb 2022	---
Machine Hours	643	533	459	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ATTENTION	ABNORMAL	ATTENTION	---

COASTAL CAROLINA YACHT SALES

145 LOCKWOOD BLVD

CHARLESTON, SC

US 29403

Contact: STEVE VASAS

steve@ccyachtsales.com

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OIL CONDITION

Visc @ 40°C	cSt	106	113	107	---
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CONTAMINATION

Water	%	NEG	0.233	NEG	---
Silicon	ppm	21	19	18	---
Sodium	ppm	7	8	17	---
Potassium	ppm	2	<1	1	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. 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		14	9	18	---
Iron	ppm	235	125	205	---
Copper	ppm	31	13	18	---
Lead	ppm	0	0	<1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	4	2	4	---
Chromium	ppm	<1	<1	2	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	3	3	2	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	3	---
Manganese	ppm	3	3	7	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	35	19	6	---
Magnesium	ppm	4	2	6	---
Zinc	ppm	48	29	21	---
Phosphorus	ppm	1305	1302	1548	---
Barium	ppm	3	0	0	---
Boron	ppm	296	324	284	---

Depot: VP568144

Unique No: 10835975

Signed: Don Baldrige

Report Date: 21 Jan 2024

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GRAPHS

