

OIL ANALYSIS REPORT



WILLIAM HOVERLAND 44358 VOLVO PENTA 3200001128 - STARBOARD IPS

Sample No: VPA054280

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

SAMPLE INFORMATION

Sample Number	VPA054280	VPA048577	VPA047454	---
Sample Date	09 Jul 2024	29 Jun 2023	03 Aug 2022	---
Machine Hours	517	475	369	---
Oil Hours	42	0	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	NORMAL	NORMAL	MARGINAL	---

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	105	108	89.8	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	<1	1	9	---
Sodium	ppm	2	3	14	---
Potassium	ppm	2	4	4	---

Diagnosis

No corrective action is recommended at this time. 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		21	22	22	---
Iron	ppm	40	112	168	---
Copper	ppm	8	18	36	---
Lead	ppm	0	<1	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	2	1	9	---
Chromium	ppm	<1	<1	1	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	<1	2	3	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	<1	2	6	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	0	9	26	---
Magnesium	ppm	28	82	766	---
Zinc	ppm	8	10	19	---
Phosphorus	ppm	1339	1378	1514	---
Barium	ppm	0	0	1	---
Boron	ppm	271	195	214	---

Depot: VP568144
Unique No: 11124058
Signed: Sean Felton
Report Date: 15 Jul 2024

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**VOLVO
PENTA**

GRAPHS

