

OIL ANALYSIS REPORT

VOLVO PENTA

GENE DORN GREG E. VOLVO PENTA 3200003533 - STARBOARD IPS

Sample No: VPA058563
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA058563	VPA056257	---	---
Sample Date	26 Jun 2024	30 Jun 2023	---	---
Machine Hours	168	40	---	---
Oil Hours	127	40	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ATTENTION	NORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	99.9	102	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	2	4	---	---
Sodium	ppm	10	4	---	---
Potassium	ppm	5	8	---	---

WEAR METALS

PQ		23	16	---	---
Iron	ppm	104	20	---	---
Copper	ppm	30	8	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	4	<1	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	2	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	4	3	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	11	20	---	---
Magnesium	ppm	84	970	---	---
Zinc	ppm	16	0	---	---
Phosphorus	ppm	1438	1607	---	---
Barium	ppm	0	0	---	---
Boron	ppm	250	738	---	---

Galati Yacht Sales LLC
900 S. BAY BLVD., PO Box 862
ANNA MARIA, FL
US 34216
Contact: SEAN CARDOW
SCARDOW@GALATIYACHTS.COM
T:
F:

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other 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.

Depot: VP648685
Unique No: 11111362
Signed: Don Baldrige
Report Date: 07 Jul 2024

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GRAPHS

