

OIL ANALYSIS REPORT

VOLVO PENTA

LUXURY YACHT ADVENTURES TAP561171 VOLVO PENTA 3950006831 - STARBOARD IPS

Sample No: VPA053273

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA053273	VPA045653	---	---
Sample Date	05 Jun 2024	18 Dec 2023	---	---
Machine Hours	656	559	---	---
Oil Hours	0	150	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	SEVERE	NORMAL	---	---

FDDA TAMPA

TAMPA, FL
US
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F:

OIL CONDITION

Visc @ 40°C	cSt	█ 114	█ 106	---	---
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CONTAMINATION

Water	%	▲ 4.09	█ 0.189	---	---
Silicon	ppm	█ 5	3	---	---
Sodium	ppm	● 706	█ <1	---	---
Potassium	ppm	█ 28	█ 1	---	---

WEAR METALS

PQ		█ 19	█ 14	---	---
Iron	ppm	█ 172	█ 44	---	---
Copper	ppm	█ 15	9	---	---
Lead	ppm	█ 0	0	---	---
Tin	ppm	█ <1	0	---	---
Aluminum	ppm	● 17	6	---	---
Chromium	ppm	█ 1	█ <1	---	---
Molybdenum	ppm	█ 0	<1	---	---
Nickel	ppm	█ 2	█ <1	---	---
Titanium	ppm	█ <1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 4	<1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	█ 30	8	---	---
Magnesium	ppm	█ 96	18	---	---
Zinc	ppm	█ 113	0	---	---
Phosphorus	ppm	█ 1429	1374	---	---
Barium	ppm	█ 6	5	---	---
Boron	ppm	█ 338	347	---	---

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. The aluminum level is abnormal. All other component wear rates are normal. Appearance is milky. There is a high concentration of water present in the oil. The high sodium (Na) level indicates the possible presence of salt water. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP208641
Unique No: 11072490
Signed: Don Baldrige
Report Date: 12 Jun 2024

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GRAPHS

