

OIL ANALYSIS REPORT

VOLVO PENTA

STROBACH VOLVO PENTA 3200000435 - STARBOARD IPS

Sample No: VPA062423

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA062423	---	---	---
Sample Date	28 May 2024	---	---	---
Machine Hours	810	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

Bay Mar of Sturgeon Bay, Inc

155 E. Redwood St.
STURGEON BAY, WI
US 54235

Contact: Mark Felhofer
mjf@baymarine.net

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OIL CONDITION

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

Water	%	NEG	---	---	---
Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 3	---	---	---

WEAR METALS

PQ		■ 22	---	---	---
Iron	ppm	■ 170	---	---	---
Copper	ppm	▲ 48	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 6	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	■ 3	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	4	---	---	---
Magnesium	ppm	8	---	---	---
Zinc	ppm	14	---	---	---
Phosphorus	ppm	1420	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	331	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. 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: VP151733

Unique No: 11069281

Signed: Angela Borella

Report Date: 10 Jun 2024

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GRAPHS

