

OIL ANALYSIS REPORT

VOLVO PENTA

BRAIN BROTTY 534297 YANMAR 05765 - INBOARD - STARBOARD GEARBOX

Sample No: VPA055759
Oil Type: SHELL ROTELLA T 30

SAMPLE INFORMATION

Sample Number	VPA055759	---	---	---
Sample Date	15 Feb 2024	---	---	---
Machine Hours	1332	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	SEVERE	---	---	---

Jas Marine Service Inc.
1009 Newman RD.
LAKE PARK, FL
US 33403
Contact: DEBBIE
debbie@jasmarine.com
T: (561)844-3224
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 81.8	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 14	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 2	---	---	---

WEAR METALS

PQ		■ 49	---	---	---
Iron	ppm	■ 65	---	---	---
Copper	ppm	● 354	---	---	---
Lead	ppm	■ 11	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminum	ppm	● 49	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 44	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 2253	---	---	---
Magnesium	ppm	■ 9	---	---	---
Zinc	ppm	■ 747	---	---	---
Phosphorus	ppm	■ 675	---	---	---
Barium	ppm	■ 11	---	---	---
Boron	ppm	■ 36	---	---	---

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The aluminum level is severe. The copper level is severe. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VP152963
Unique No: 10886159
Signed: Jonathan Hester
Report Date: 22 Feb 2024

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GRAPHS

