

OIL ANALYSIS REPORT

VOLVO PENTA

SEVERN UP 10072 20322171 - INBOARD - STARBOARD GEARBOX

Sample No: VPA059678
Oil Type: SHELL ROTELLA T 30

SAMPLE INFORMATION

Sample Number	VPA059678	VPA044182	VPA033146	---
Sample Date	22 Nov 2023	03 Nov 2022	18 Jan 2021	---
Machine Hours	234	182	96	---
Oil Hours	42	18	0	---
Oil Changed	N/A	Changed	N/A	---
Sample Status	ATTENTION	ATTENTION	ATTENTION	---

OIL CONDITION

Visc @ 40°C	cSt	■ 87.4	90.7	■ 78.5	---
-------------	-----	--------	------	--------	-----

CONTAMINATION

Water	%	■ NEG	NEG	NEG	---
Silicon	ppm	■ 4	■ 5	■ 4	---
Sodium	ppm	■ 3	■ 3	■ 2	---
Potassium	ppm	■ 0	■ 0	■ 3	---

WEAR METALS

PQ		■ 19	■ 14	■ 20	---
Iron	ppm	■ 5	■ 10	■ 12	---
Copper	ppm	▲ 174	▲ 189	▲ 264	---
Lead	ppm	■ 0	■ <1	■ <1	---
Tin	ppm	■ 0	■ <1	■ <1	---
Aluminum	ppm	■ <1	■ 1	■ 0	---
Chromium	ppm	■ 0	0	<1	---
Molybdenum	ppm	■ 110	■ 105	28	---
Nickel	ppm	■ 0	0	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	■ 0	<1	<1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	■ 2577	■ 2490	1272	---
Magnesium	ppm	■ 46	■ 94	566	---
Zinc	ppm	■ 1143	■ 1061	807	---
Phosphorus	ppm	■ 1026	■ 972	733	---
Barium	ppm	■ 0	■ 0	2	---
Boron	ppm	■ 4	■ 10	47	---

The Talaria Company

202 Banks St., One Little Harbor Landing
OXFORD, MD
US 21654
Contact: TRACY PELLERIN
tpellerin@hinckleyyachts.com
T: (410)770-4899
F: x:

Diagnosis

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: VP592286
Unique No: 10768626
Signed: Jonathan Hester
Report Date: 06 Dec 2023

OIL ANALYSIS REPORT



GRAPHS

