

OIL ANALYSIS REPORT

VOLVO PENTA

JAMES FLYNN MERCURY OM969555 - INBOARD - STARBOARD GEARBOX

Sample No: VPA036597
Oil Type: MERCURY SAE 90

SAMPLE INFORMATION

Sample Number	VPA036597	VPA027981	---	---
Sample Date	09 Feb 2024	27 Nov 2020	---	---
Machine Hours	852	660	---	---
Oil Hours	72	50	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	ATTENTION	ATTENTION	---	---

Bayview Yachtcrafters Inc
31785 S. River Road
HARRISON TOWNSHIP, MI
US 48045
Contact: Shawn Robertson
bayviewyachtcrafters@comcast.net
T:
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 158	▲ 155.2	---	---
-------------	-----	-------	---------	-----	-----

CONTAMINATION

Water	%	■ 0.040	NEG	---	---
Silicon	ppm	■ 3	<1	---	---
Sodium	ppm	■ 0	■ <1	---	---
Potassium	ppm	■ 2	■ 0	---	---

WEAR METALS

PQ		■ 24	■ 22	---	---
Iron	ppm	▲ 224	■ 155	---	---
Copper	ppm	■ 16	■ 12	---	---
Lead	ppm	■ 2	0	---	---
Tin	ppm	■ <1	0	---	---
Aluminum	ppm	■ 1	2	---	---
Chromium	ppm	■ 2	■ 1	---	---
Molybdenum	ppm	61	40	---	---
Nickel	ppm	■ 2	■ 2	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	<1	<1	---	---
Manganese	ppm	3	2	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	99	16	---	---
Magnesium	ppm	4	0	---	---
Zinc	ppm	37	13	---	---
Phosphorus	ppm	253	240	---	---
Barium	ppm	0	0	---	---
Boron	ppm	4	<1	---	---

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. Gear wear is indicated. 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: VP151756
Unique No: 10883363
Signed: Don Baldrige
Report Date: 19 Feb 2024

OIL ANALYSIS REPORT



GRAPHS

