

OIL ANALYSIS REPORT

VOLVO PENTA

HUCKLEBERRY PB ZB690891 - STARBOARD GASOLINE ENGINE

Sample No: VPA058147
Oil Type: MERCURY 25W50

SAMPLE INFORMATION

Sample Number	VPA058147	VPA025358	---	---
Sample Date	01 Nov 2023	02 May 2022	---	---
Machine Hours	0	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	SEVERE	ABNORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	▲ 10.0	■ 11.8	---	---
Base Number (BN)	mg KOH/g	■ 8.6	■ 12.0	---	---
Oxidation (PA)	%	15	14	---	---

CONTAMINATION

Water	%	NEG	▲ 0.680	---	---
Soot %	%	■ 0	■ 0.1	---	---
Nitration (PA)	%	10	9	---	---
Sulfation (PA)	%	11	9	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	◆ 10.0	<1.0	---	---
Silicon	ppm	■ 17	■ 11	---	---
Sodium	ppm	■ <1	■ 7	---	---
Potassium	ppm	■ 1	■ 0	---	---

WEAR METALS

Iron	ppm	■ 11	■ 8	---	---
Copper	ppm	■ 4	■ 3	---	---
Lead	ppm	■ 2	■ 1	---	---
Tin	ppm	■ 1	■ 5	---	---
Aluminum	ppm	■ 6	■ 7	---	---
Chromium	ppm	■ <1	■ 0	---	---
Molybdenum	ppm	45	45	---	---
Nickel	ppm	■ 0	■ <1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	■ 0	■ <1	---	---
Manganese	ppm	2	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1921	2160	---	---
Magnesium	ppm	10	38	---	---
Zinc	ppm	790	846	---	---
Phosphorus	ppm	689	736	---	---
Barium	ppm	0	0	---	---
Boron	ppm	130	227	---	---

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

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot: VP592286
Unique No: 10830429
Signed: Doug Bogart
Report Date: 29 Jan 2024

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GRAPHS

