

OIL ANALYSIS REPORT



HUCKLEBERRY PB 2B685925 - PORT GASOLINE ENGINE

Sample No: VPA058149
Oil Type: MERCURY 25W50

SAMPLE INFORMATION

Sample Number	VPA058149	VPA025355	---	---
Sample Date	01 Nov 2023	02 May 2022	---	---
Machine Hours	0	0	---	---
Oil Hours	0	2	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	SEVERE	ABNORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	▲ 9.7	---	---	---
Base Number (BN)	mg KOH/g	■ 8.5	■ 11.0	---	---
Oxidation (PA)	%	15	14	---	---

CONTAMINATION

Water	%	NEG	▲ 0.665	---	---
Soot %	%	■ 0	■ 0.1	---	---
Nitration (PA)	%	10	9	---	---
Sulfation (PA)	%	12	9	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	◆ 11.3	<1.0	---	---
Silicon	ppm	■ 20	■ 11	---	---
Sodium	ppm	■ <1	■ 3	---	---
Potassium	ppm	■ 2	■ 0	---	---

WEAR METALS

Iron	ppm	■ 17	■ 8	---	---
Copper	ppm	■ 5	■ 3	---	---
Lead	ppm	■ 2	■ <1	---	---
Tin	ppm	■ <1	■ 7	---	---
Aluminum	ppm	■ 8	■ 6	---	---
Chromium	ppm	■ <1	■ 0	---	---
Molybdenum	ppm	44	46	---	---
Nickel	ppm	■ 0	■ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	■ 0	■ 0	---	---
Manganese	ppm	2	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1874	2055	---	---
Magnesium	ppm	9	12	---	---
Zinc	ppm	764	824	---	---
Phosphorus	ppm	668	721	---	---
Barium	ppm	0	0	---	---
Boron	ppm	115	223	---	---

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: 10830427
Signed: Doug Bogart
Report Date: 29 Jan 2024

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VOLVO PENTA

GRAPHS

