

OIL ANALYSIS REPORT

VOLVO PENTA

MERCURY MERCURY B3 - STERNDRIVE - PORT GEARBOX

Sample No: VPA021391

Oil Type: MERCURY 80W90

SAMPLE INFORMATION

Sample Number	VPA021391	---	---	---
Sample Date	08 Mar 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	50	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

Indoor Boat Storage Inc
26120 Birch Bluff Rd.
EXCELSIOR, MN
US 55331
Contact: Robbie Nesmith
robbienesmith@yahoo.com
T:
F:

OIL CONDITION

Visc @ 40°C	cSt	█ 153.4	---	---	---
Visc @ 100°C	cSt	█ 21.5	---	---	---
Viscosity Index (VI)	Scale	█ 165	---	---	---

CONTAMINATION

Silicon	ppm	█ 1	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 0	---	---	---

WEAR METALS

PQ		█ 25	---	---	---
Iron	ppm	● 306	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 28	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	█ 0	---	---	---

ADDITIVES

Calcium	ppm	█ 7	---	---	---
Magnesium	ppm	█ 6	---	---	---
Zinc	ppm	█ 8	---	---	---
Phosphorus	ppm	█ 164	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Diagnosis

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is severe. High wear metal levels may reflect the reported slippage. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP303976
Unique No: 10371769
Signed: Doug Bogart
Report Date: 16 Mar 2023

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GRAPHS

