

OIL ANALYSIS REPORT

VOLVO PENTA

JOE BARBARETTA MERCURY 92026169 - STARBOARD GASOLINE ENGINE

Sample No: VPA036515
Oil Type: MERCURY 25W40

SAMPLE INFORMATION

Sample Number	VPA036515	---	---	---
Sample Date	09 Feb 2024	---	---	---
Machine Hours	423	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

YACHT BASIN MARINA

1866 OTTAWA BEACH RD
HOLLAND, MI
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	---	---	---
Base Number (BN)	mg KOH/g	█ 8.5	---	---	---
Oxidation (PA)	%	13	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0	---	---	---
Nitration (PA)	%	7	---	---	---
Sulfation (PA)	%	11	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 22	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---

WEAR METALS

Iron	ppm	█ 27	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	45	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1816	---	---	---
Magnesium	ppm	15	---	---	---
Zinc	ppm	746	---	---	---
Phosphorus	ppm	684	---	---	---
Barium	ppm	12	---	---	---
Boron	ppm	166	---	---	---

Depot: VP718610
Unique No: 10876029
Signed: Jonathan Hester
Report Date: 15 Feb 2024

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GRAPHS

