

OIL ANALYSIS REPORT

**VOLVO
PENTA**

JOHN REGISTER DAVE SCHOLZ MERCURY 000002 - STERNDRIVE - PORT GASOLINE ENGINE

Sample No: VPA049881

Oil Type: MERCURY 496 25W40 SYNTH 1

SAMPLE INFORMATION

Sample Number	VPA049881	---	---	---
Sample Date	06 Jun 2024	---	---	---
Machine Hours	799	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 14.9	---	---	---
Base Number (BN)	mg KOH/g	█ 8.0	---	---	---
Oxidation (PA)	%	14	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	9	---	---	---
Sulfation (PA)	%	14	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

Iron	ppm	█ 21	---	---	---
Copper	ppm	█ 12	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	50	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	2138	---	---	---
Magnesium	ppm	25	---	---	---
Zinc	ppm	847	---	---	---
Phosphorus	ppm	698	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	140	---	---	---

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T:
F:

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.

Depot: VP151756
Unique No: 11075929
Signed: Don Baldrige
Report Date: 14 Jun 2024

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GRAPHS

