

OIL ANALYSIS REPORT

**VOLVO
PENTA**

KELLNER MERCURY KELLNER (S/N NOT GIVEN) - STARBOARD GASOLINE ENGINE

Sample No: VPA047520

Oil Type: MERCURY 25W40 SYN BLEND

SAMPLE INFORMATION

Sample Number	VPA047520	---	---	---
Sample Date	18 Jul 2023	---	---	---
Machine Hours	700	---	---	---
Oil Hours	30	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	13.5	---	---	---
Base Number (BN)	mg KOH/g	8.6	---	---	---
Oxidation (PA)	%	13	---	---	---

CONTAMINATION

Soot %	%	0.1	---	---	---
Nitration (PA)	%	7	---	---	---
Sulfation (PA)	%	10	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	4	---	---	---
Potassium	ppm	0	---	---	---

WEAR METALS

Iron	ppm	10	---	---	---
Copper	ppm	10	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	51	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	2284	---	---	---
Magnesium	ppm	13	---	---	---
Zinc	ppm	885	---	---	---
Phosphorus	ppm	750	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	229	---	---	---

SHORE POINT YACHT SALES INC

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Contact: SERVICE MANAGER

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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 acceptable for the time in service.

Depot: VPSHOPIN

Unique No: 10565392

Signed: Don Baldrige

Report Date: 25 Jul 2023

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GRAPHS

