

OIL ANALYSIS REPORT

VOLVO PENTA

HOFFMANN WATERSPORTS VOLVO PENTA A421672 - CENTER DIESEL ENGINE

Sample No: VPA035571

Oil Type: PROVIDENCE SYNTHETIC 15W40

SAMPLE INFORMATION

Sample Number	VPA035571	---	---	---
Sample Date	23 Jul 2023	---	---	---
Machine Hours	4301	---	---	---
Oil Hours	80	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Marco Island Ski & Water Sport

1392

MARCO ISLAND, FL

US 34146

Contact: Bradley Cotten

bradc@marcoislandwatersports.com

T:

F:

OIL CONDITION

Visc @ 100°C	cSt	█ 15.0	---	---	---
Base Number (BN)	mg KOH/g	█ 9.4	---	---	---
Oxidation (PA)	%	55	---	---	---

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.

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	47	---	---	---
Sulfation (PA)	%	49	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ < 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 56	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ < 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1053	---	---	---
Magnesium	ppm	█ 877	---	---	---
Zinc	ppm	█ 1156	---	---	---
Phosphorus	ppm	█ 949	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 1	---	---	---

Depot: VP153258

Unique No: 10578438

Signed: Don Baldrige

Report Date: 02 Aug 2023

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GRAPHS

