

OIL ANALYSIS REPORT

VOLVO PENTA

YANMAR M61299 - CENTER DIESEL ENGINE

Sample No: VPA056820

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA056820	---	---	---
Sample Date	23 Oct 2023	---	---	---
Machine Hours	535	---	---	---
Oil Hours	20	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

NOANK VILLAGE BOATYARD

38 BAYSIDE AVE

NOANK, CT

US 06340

Contact: SUE

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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	---	---	---
Base Number (BN)	mg KOH/g	█ 7.8	---	---	---
Oxidation (PA)	%	59	---	---	---

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)	%	64	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 4	---	---	---

WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 46	---	---	---
Lead	ppm	█ < 1	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 63	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	█ < 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	< 1	---	---	---

ADDITIVES

Calcium	ppm	█ 1984	---	---	---
Magnesium	ppm	█ 24	---	---	---
Zinc	ppm	█ 1149	---	---	---
Phosphorus	ppm	█ 1077	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 116	---	---	---

Depot: VPNOANO

Unique No: 10713537

Signed: Don Baldrige

Report Date: 30 Oct 2023

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GRAPHS

