

OIL ANALYSIS REPORT

VOLVO PENTA

C MAG MARINE LLC VOLVO PENTA 70112036147 - PORT DIESEL ENGINE

Sample No: VPA036454

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA036454	---	---	---
Sample Date	21 Nov 2023	---	---	---
Machine Hours	257	---	---	---
Oil Hours	257	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Larry's Lighthouse Marina
1250
AQUEBOGUE, NY
US 11931
Contact: MAX FUHLBRUGGE
info@lighthousemarina.com
T: x:
F: x:

OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	---	---	---
Base Number (BN)	mg KOH/g	█ 8.7	---	---	---
Oxidation (PA)	%	68	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	66	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

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.

WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 25	---	---	---
Lead	ppm	█ < 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ < 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 48	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1432	---	---	---
Magnesium	ppm	█ 657	---	---	---
Zinc	ppm	█ 981	---	---	---
Phosphorus	ppm	█ 798	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 43	---	---	---

Depot: VP610438
Unique No: 10767930
Signed: Don Baldrige
Report Date: 05 Dec 2023

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GRAPHS

