

OIL ANALYSIS REPORT

VOLVO PENTA

BLUE MOON-RANCH & COAST BLUE MOON VOLVO PENTA 2004033886 - DIESEL ENGINE

Sample No: VPA060475

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA060475	VPA030154	---	---
Sample Date	10 Oct 2023	06 Oct 2020	---	---
Machine Hours	449	0	---	---
Oil Hours	35	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

McMichael Yacht Yard No1 Inc

700 Rushmore Ave
MAMARONECK, NY
US 10543

Contact: Patti Hornidge
rushmore@mcmyacht.com

T:
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 14.6	█ 14.6	---	---
Base Number (BN)	mg KOH/g	█ 8.6	---	---	---
Oxidation (PA)	%	70	73	---	---

CONTAMINATION

Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	59	61	---	---
Sulfation (PA)	%	58	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 3	---	---
Sodium	ppm	█ 4	█ <1	---	---
Potassium	ppm	█ 8	█ 7	---	---

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	█ 7	█ 6	---	---
Copper	ppm	█ 2	█ 2	---	---
Lead	ppm	█ <1	█ 1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 2	█ <1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 0	█ <1	---	---
Nickel	ppm	█ <1	█ 1	---	---
Titanium	ppm	█ <1	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	█ 2008	█ 2206	---	---
Magnesium	ppm	█ 12	█ 12	---	---
Zinc	ppm	█ 1118	█ 1194	---	---
Phosphorus	ppm	█ 942	█ 981	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 209	█ 189	---	---

Depot: VP153367
Unique No: 10712782
Signed: Sean Felton
Report Date: 27 Oct 2023

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GRAPHS

