

OIL ANALYSIS REPORT

VOLVO PENTA

RUBIN RUBIN VOLVO PENTA 7008512629 - PORT DIESEL ENGINE

Sample No: VPA041202

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA041202	---	---	---
Sample Date	22 Jan 2024	---	---	---
Machine Hours	411	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Suncoast Diesel Marine Inc.

610 Mount Vernan St
OLDSMAR, FL
US 34677
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	---	---	---
Base Number (BN)	mg KOH/g	█ 9.7	---	---	---
Oxidation (PA)	%	60	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.6	---	---	---
Nitration (PA)	%	58	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 13	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---

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 suitable for further service.

WEAR METALS

Iron	ppm	█ 31	---	---	---
Copper	ppm	█ 60	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 70	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ < 1	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1259	---	---	---
Magnesium	ppm	1178	---	---	---
Zinc	ppm	█ 1502	---	---	---
Phosphorus	ppm	█ 1167	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 11	---	---	---

Depot: VP945077
Unique No: 10848721
Signed: Jonathan Hester
Report Date: 30 Jan 2024

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GRAPHS

