

OIL ANALYSIS REPORT

VOLVO PENTA

EMERALD PACIFIC YACHTS PATRICK/502575-5750 VOLVO PENTA 7011350068 - DIESEL ENGINE

Sample No: VPA059050

Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40

SAMPLE INFORMATION

Sample Number	VPA059050	---	---	---
Sample Date	27 Nov 2023	---	---	---
Machine Hours	265	---	---	---
Oil Hours	126	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Base Number (BN)	mg KOH/g	█ 7.8	---	---	---
Oxidation (PA)	%	53	---	---	---

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.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	65	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 4	---	---	---

WEAR METALS

Iron	ppm	█ 5	---	---	---
Copper	ppm	█ 38	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	9	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	█ < 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1223	---	---	---
Magnesium	ppm	█ 666	---	---	---
Zinc	ppm	799	---	---	---
Phosphorus	ppm	687	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 65	---	---	---

Depot: VP794951
Unique No: 10766840
Signed: Jonathan Hester
Report Date: 04 Dec 2023

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GRAPHS

