

OIL ANALYSIS REPORT

VOLVO PENTA

JOHN MORRIS VOLVO PENTA A444143 - PORT DIESEL ENGINE

Sample No: VPA055696

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

SAMPLE INFORMATION

Sample Number	VPA055696	---	---	---
Sample Date	30 Nov 2023	---	---	---
Machine Hours	586	---	---	---
Oil Hours	118	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

FERRY POINT MARINA

1606 MARINA DR
TRAPPE, MD
US 21673
Contact: BRYAN WILLEY
bryan@ferrypointmarinatalbot.com
T: (410)476-3304
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	---	---	---
Base Number (BN)	mg KOH/g	█ 9.9	---	---	---
Oxidation (PA)	%	56	---	---	---

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

Water	%	NEG	---	---	---
Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	52	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 1	---	---	---

WEAR METALS

Iron	ppm	█ 16	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 57	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ < 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	< 1	---	---	---

ADDITIVES

Calcium	ppm	931	---	---	---
Magnesium	ppm	█ 859	---	---	---
Zinc	ppm	█ 1101	---	---	---
Phosphorus	ppm	█ 863	---	---	---
Barium	ppm	34	---	---	---
Boron	ppm	█ < 1	---	---	---

Depot: VPFERTRA
Unique No: 10898149
Signed: Don Baldrige
Report Date: 28 Feb 2024

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GRAPHS

