

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 5102002685 - DIESEL ENGINE

Sample No: VPA044795

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA044795	---	---	---
Sample Date	03 Oct 2023	---	---	---
Machine Hours	2088	---	---	---
Oil Hours	40	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

STRAIGHT LINE MARINE LLC

411 LISA CIR

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US 53004

Contact: JEFF BUDNIK

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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	---	---	---
Base Number (BN)	mg KOH/g	█ 9.6	---	---	---
Oxidation (PA)	%	73	---	---	---

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

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	58	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ < 1	---	---	---

WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 63	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1961	---	---	---
Magnesium	ppm	█ 341	---	---	---
Zinc	ppm	█ 1336	---	---	---
Phosphorus	ppm	█ 1071	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 60	---	---	---

Depot: VPSTRBEL

Unique No: 10683257

Signed: Don Baldrige

Report Date: 10 Oct 2023

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GRAPHS

