

OIL ANALYSIS REPORT

VOLVO PENTA

BRUCE TANNEHILL 44326 VOLVO PENTA A1141309 - STARBOARD DIESEL ENGINE

Sample No: VPA050902

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA050902	---	---	---
Sample Date	05 Mar 2024	---	---	---
Machine Hours	103	---	---	---
Oil Hours	51	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	---	---	---
Base Number (BN)	mg KOH/g	█ 10.3	---	---	---
Oxidation (PA)	%	55	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	40	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 14	---	---	---
Sodium	ppm	█ < 1	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

Iron	ppm	█ 15	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 10	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 103	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ < 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	< 1	---	---	---

ADDITIVES

Calcium	ppm	1702	---	---	---
Magnesium	ppm	1383	---	---	---
Zinc	ppm	1756	---	---	---
Phosphorus	ppm	1486	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 75	---	---	---

COASTAL CAROLINA YACHT SALES

145 LOCKWOOD BLVD

CHARLESTON, SC

US 29403

Contact: STEVE VASAS

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T:

F:

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.

Depot: VP568144

Unique No: 10928132

Signed: Don Baldrige

Report Date: 18 Mar 2024

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GRAPHS

