

OIL ANALYSIS REPORT

VOLVO PENTA

GILBERTO CINTRON 507291 VOLVO PENTA A357804 - STARBOARD DIESEL ENGINE

Sample No: VPA059608

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA059608	---	---	---
Sample Date	09 Nov 2023	---	---	---
Machine Hours	608	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Seaborn Marina Inc.

87 Ocean Ave.
BAY SHORE, NY
US 11706
Contact: TOM
parts@seabornmarina.com
T: (631)665-0037
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	---	---	---
Base Number (BN)	mg KOH/g	█ 9.6	---	---	---
Oxidation (PA)	%	72	---	---	---

CONTAMINATION

Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	70	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 4	---	---	---
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 acceptable for the time in service.

WEAR METALS

Iron	ppm	█ 12	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 7	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 59	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 1042	---	---	---
Magnesium	ppm	█ 886	---	---	---
Zinc	ppm	█ 1163	---	---	---
Phosphorus	ppm	█ 971	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 7	---	---	---

Depot: VP543511
Unique No: 10742687
Signed: Don Baldrige
Report Date: 18 Nov 2023

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

