

OIL ANALYSIS REPORT

VOLVO PENTA

DONALD LI VOLVO PENTA 4012217993 - STARBOARD GASOLINE ENGINE

Sample No: VPA036930

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA036930	---	---	---
Sample Date	06 Oct 2023	---	---	---
Machine Hours	408	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

CHICAGO YACHT WORKS

2550 S ASHLAND AVE
CHICAGO, IL
US 60608
Contact: JONATHAN PAIGE
jonathan@chicagoyachtworks.com
T: (312)666-6670
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 9.7	---	---	---
Base Number (BN)	mg KOH/g	█ 6.9	---	---	---
Oxidation (PA)	%	12	---	---	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	9	---	---	---
Sulfation (PA)	%	11	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 20	---	---	---
Sodium	ppm	█ 7	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

Iron	ppm	█ 24	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	43	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1442	---	---	---
Magnesium	ppm	50	---	---	---
Zinc	ppm	701	---	---	---
Phosphorus	ppm	601	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	3	---	---	---

Depot: VP1080862
Unique No: 10695329
Signed: Jonathan Hester
Report Date: 16 Oct 2023

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

