

OIL ANALYSIS REPORT

VOLVO PENTA

STEVE HUNTER 502240 VOLVO PENTA 4012164264 - PORT GASOLINE ENGINE

Sample No: VPA055603

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA055603	---	---	---
Sample Date	10 Aug 2023	---	---	---
Machine Hours	1270	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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SEATTLE, WA
US 98107
Contact: WILLOW YANARELLA
service@coastalmarineengine.com
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OIL CONDITION

Visc @ 100°C	cSt	▲ 9.6	---	---	---
Base Number (BN)	mg KOH/g	■ 7.0	---	---	---
Oxidation (PA)	%	9	---	---	---

CONTAMINATION

Soot %	%	■ 0	---	---	---
Nitration (PA)	%	8	---	---	---
Sulfation (PA)	%	9	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 3.4	---	---	---
Silicon	ppm	■ 9	---	---	---
Sodium	ppm	■ 11	---	---	---
Potassium	ppm	■ 2	---	---	---

WEAR METALS

Iron	ppm	■ 59	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 4	---	---	---
Aluminum	ppm	■ 6	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 4	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 2439	---	---	---
Magnesium	ppm	■ 5	---	---	---
Zinc	ppm	■ 1175	---	---	---
Phosphorus	ppm	■ 1038	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 26	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot: VP794951
Unique No: 10607013
Signed: Jonathan Hester
Report Date: 21 Aug 2023

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GRAPHS

