

OIL ANALYSIS REPORT

VOLVO PENTA

BLACKSTONE VOLVO PENTA A1054196 - PORT GASOLINE ENGINE

Sample No: VPA049852

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA049852	---	---	---
Sample Date	22 Oct 2023	---	---	---
Machine Hours	171	---	---	---
Oil Hours	60	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

Outstanding Marine

PO Box 274
GALENA, MD
US 21635
Contact: Ronda Bolinger
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T:
F:

OIL CONDITION

Visc @ 100°C	cSt	12.06	---	---	---
Oxidation (PA)	%	29	---	---	---

CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	52	---	---	---
Sulfation (PA)	%	38	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 8.4	---	---	---
Silicon	ppm	14	---	---	---
Sodium	ppm	<1	---	---	---
Potassium	ppm	2	---	---	---

Diagnosis

We advise that you check the fuel injection system. 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 a moderate amount of fuel present in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	14	---	---	---
Copper	ppm	47	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	40	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	7	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1657	---	---	---
Magnesium	ppm	11	---	---	---
Zinc	ppm	784	---	---	---
Phosphorus	ppm	722	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: VP153685
Unique No: 10709746
Signed: Doug Bogart
Report Date: 23 Oct 2023

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GRAPHS

