

OIL ANALYSIS REPORT

VOLVO PENTA

ART AGRESTA VOLVO PENTA 2014 PRINCESS V39 (S/N NOT GIVEN) - PORT GEARBOX

Sample No: VPA033497D

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA033497D	---	---	---
Sample Date	21 Oct 2023	---	---	---
Machine Hours	20	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 114	---	---	---
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CONTAMINATION

Water	%	● 5.55	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 407	---	---	---
Potassium	ppm	■ 16	---	---	---

WEAR METALS

PQ		■ 24	---	---	---
Iron	ppm	▲ 254	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 12	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	■ 7	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	36	---	---	---
Magnesium	ppm	63	---	---	---
Zinc	ppm	39	---	---	---
Phosphorus	ppm	1313	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	■ 276	---	---	---

Steve's Marine Service West

255 S. Ketcham Ave.

AMITYVILLE, NY

US 11701

Contact: Steven Stavracos

steve@stevesmarine.com

T: (631)264-1600

F: (631).26-4.1601

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Gear wear is indicated. Appearance is milky. There is a high concentration of water present in the oil. High water content and sodium (Na) level indicate possible sea water contamination. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP610610

Unique No: 10702362

Signed: Don Baldrige

Report Date: 24 Oct 2023

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GRAPHS

