

OIL ANALYSIS REPORT

VOLVO PENTA

COURTS VOLVO PENTA 3194002088 - PORT IPS

Sample No: VPA042809

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA042809	VPA048526	---	---
Sample Date	25 Oct 2023	06 Aug 2023	---	---
Machine Hours	529	509	---	---
Oil Hours	20	200	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	ABNORMAL	SEVERE	---	---

Outstanding Marine

PO Box 274
GALENA, MD
US 21635
Contact: Ronda Bolinger
rlwb@verizon.net

T:
F:

OIL CONDITION

Visc @ 40°C	cSt	█ 107	█ 104	---	---
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CONTAMINATION

Water	%	▲ 0.803	---	---	---
Silicon	ppm	█ 15	█ 23	---	---
Sodium	ppm	█ 15	█ 49	---	---
Potassium	ppm	█ 2	█ 3	---	---

Diagnosis

We advise that you check for the source of water entry. We recommend an early resample to monitor this condition. All component wear rates are normal. Appearance is unacceptable. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		█ 19	█ 21	---	---
Iron	ppm	█ 106	● 313	---	---
Copper	ppm	█ 8	█ 31	---	---
Lead	ppm	0	1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	5	█ 11	---	---
Chromium	ppm	█ <1	█ 2	---	---
Molybdenum	ppm	█ <1	█ 3	---	---
Nickel	ppm	█ 1	█ 4	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ 2	█ 6	---	---
Vanadium	ppm	0	<1	---	---

ADDITIVES

Calcium	ppm	█ 13	█ 10	---	---
Magnesium	ppm	█ 3	█ 8	---	---
Zinc	ppm	█ 11	█ 19	---	---
Phosphorus	ppm	█ 1397	█ 1415	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 290	█ 323	---	---

Depot: VP153685
Unique No: 10714986
Signed: Sean Felton
Report Date: 31 Oct 2023

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GRAPHS

