

OIL ANALYSIS REPORT

VOLVO PENTA

JIM SCOTT R812622M ROGER VOLVO PENTA 3950001852 - PORT IPS

Sample No: VPA044335

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA044335	VPA033192	---	---
Sample Date	29 Aug 2023	10 Jun 2021	---	---
Machine Hours	2550	1946	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	SEVERE	SEVERE	---	---

Power Products Systems LLC
432 Warren Avenue, 432 Warren Ave.
PORTLAND, ME
US 04103
Contact: Victor Barr
meservice@nedda.com
T: (207)797-5950
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 104	■ 111	---	---
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CONTAMINATION

Water	%	● 1.17	▲ 0.457	---	---
Silicon	ppm	■ 5	■ 17	---	---
Sodium	ppm	■ 109	■ 42	---	---
Potassium	ppm	■ 8	■ 2	---	---

WEAR METALS

PQ		■ 25	■ 141	---	---
Iron	ppm	▲ 201	● 2983	---	---
Copper	ppm	■ 18	▲ 30	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	1	<1	---	---
Aluminum	ppm	▲ 17	▲ 18	---	---
Chromium	ppm	■ 2	▲ 15	---	---
Molybdenum	ppm	■ 1	■ 4	---	---
Nickel	ppm	■ 4	▲ 19	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 7	■ 19	---	---
Vanadium	ppm	<1	<1	---	---

ADDITIVES

Calcium	ppm	■ 19	■ 16	---	---
Magnesium	ppm	■ 25	■ 10	---	---
Zinc	ppm	■ 199	■ 46	---	---
Phosphorus	ppm	■ 1377	■ 1128	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 338	■ 262	---	---

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. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP153549
Unique No: 10631595
Signed: Don Baldrige
Report Date: 06 Sep 2023

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GRAPHS

