

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 3940014846 - PORT IPS

Sample No: VPA045274

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA045274	VPA041657	VPA030290	---
Sample Date	03 Apr 2023	13 Sep 2022	24 Jan 2020	---
Machine Hours	852	823	461	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	Not Changd	---
Sample Status	SEVERE	ABNORMAL	ATTENTION	---

SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6
SARASOTA, FL
US 34240
Contact: SERVICE MANAGER
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T: (941)342-0033
F:

OIL CONDITION

Visc @ 40°C	cSt	█ 102	█ 103	█ 102.2	---
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CONTAMINATION

Water	%	▲ 0.404	▲ 0.309	---	---
Silicon	ppm	█ 19	█ 18	█ 32	---
Sodium	ppm	█ 56	█ 29	█ 19	---
Potassium	ppm	█ 1	█ 0	█ 0	---

WEAR METALS

PQ		█ 19	█ 16	█ 29	---
Iron	ppm	● 503	▲ 389	▲ 338	---
Copper	ppm	█ 37	█ 33	█ 39	---
Lead	ppm	█ 0	█ 0	█ 1	---
Tin	ppm	█ 0	█ 0	█ 0	---
Aluminum	ppm	█ 6	█ 5	█ 6	---
Chromium	ppm	█ 3	█ 3	█ 2	---
Molybdenum	ppm	█ 1	█ 1	█ 0	---
Nickel	ppm	█ 4	█ 3	█ 3	---
Titanium	ppm	█ 0	█ 0	█ 0	---
Silver	ppm	█ 0	█ 0	<1	---
Manganese	ppm	█ 5	█ 4	█ 6	---
Vanadium	ppm	█ 0	█ 0	█ 0	---

ADDITIVES

Calcium	ppm	█ 19	█ 19	█ 15	---
Magnesium	ppm	█ 28	█ 10	█ 9	---
Zinc	ppm	█ 38	█ 19	█ 56	---
Phosphorus	ppm	█ 1244	█ 1265	█ 1279	---
Barium	ppm	█ 0	█ <1	█ <1	---
Boron	ppm	█ 232	█ 282	█ 158	---

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is a moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants and wear.

Depot: VP705283
Unique No: 10415049
Signed: Doug Bogart
Report Date: 10 Apr 2023

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GRAPHS

