

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 3940020039 - STARBOARD IPS

Sample No: VPA059473

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA059473	---	---	---
Sample Date	18 Dec 2023	---	---	---
Machine Hours	609	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 121	---	---	---
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CONTAMINATION

Water	%	● 8.11	---	---	---
Silicon	ppm	■ 20	---	---	---
Sodium	ppm	▲ 560	---	---	---
Potassium	ppm	■ 26	---	---	---

WEAR METALS

PQ		■ 43	---	---	---
Iron	ppm	▲ 503	---	---	---
Copper	ppm	■ 69	---	---	---
Lead	ppm	■ 3	---	---	---
Tin	ppm	■ 4	---	---	---
Aluminum	ppm	■ 11	---	---	---
Chromium	ppm	■ 4	---	---	---
Molybdenum	ppm	■ 1	---	---	---
Nickel	ppm	■ 6	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 8	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 96	---	---	---
Magnesium	ppm	■ 99	---	---	---
Zinc	ppm	■ 62	---	---	---
Phosphorus	ppm	■ 1172	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 231	---	---	---

SUNCOAST DIESEL MARINE

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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 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 high concentration of water present in the oil. The high sodium (Na) level indicates the possible presence of salt water. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP705283
Unique No: 10807658
Signed: Jonathan Hester
Report Date: 29 Dec 2023

OIL ANALYSIS REPORT

GRAPHS

