

OIL ANALYSIS REPORT

VOLVO PENTA

SMITH VOLVO PENTA 3200000251 - PORT IPS

Sample No: VPA062945

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA062945	VPA059393	---	---
Sample Date	27 Jun 2024	03 Jun 2024	---	---
Machine Hours	692	674	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	SEVERE	NORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 106.3	█ 104	---	---
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CONTAMINATION

Water	%	▲ 1.04	NEG	---	---
Silicon	ppm	█ 5	█ 2	---	---
Sodium	ppm	● 88	█ 16	---	---
Potassium	ppm	█ 8	█ 1	---	---

WEAR METALS

PQ		█ 14	█ 19	---	---
Iron	ppm	█ 209	█ 112	---	---
Copper	ppm	█ 14	█ 10	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ 2	█ 0	---	---
Aluminum	ppm	█ 9	█ 5	---	---
Chromium	ppm	█ 1	█ <1	---	---
Molybdenum	ppm	█ 6	█ 6	---	---
Nickel	ppm	█ 3	█ 1	---	---
Titanium	ppm	█ 0	█ <1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	█ 3	█ 1	---	---
Vanadium	ppm	<1	<1	---	---

ADDITIVES

Calcium	ppm	█ 264	█ 42	---	---
Magnesium	ppm	█ 28	█ 8	---	---
Zinc	ppm	█ 154	█ 47	---	---
Phosphorus	ppm	█ 1451	█ 1344	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 133	█ 106	---	---

SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6
SARASOTA, FL

US 34240

Contact: SERVICE MANAGER

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F:

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. All component wear rates are normal. Appearance is unacceptable. 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: 11102175

Signed: Doug Bogart

Report Date: 28 Jun 2024

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GRAPHS

