

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 3020297879 - STERNDRIVE - PORT GEARBOX

Sample No: VPA058269

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA058269	---	---	---
Sample Date	20 Nov 2023	---	---	---
Machine Hours	120	---	---	---
Oil Hours	120	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

North Harbor Diesel Inc

720 30Th Street
ANACORTES, WA
US 98221

Contact: ROBBIN MURDOCK
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T: (360)299-1904

F:

OIL CONDITION

Visc @ 40°C	cSt	█ 105	---	---	---
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CONTAMINATION

Water	%	▲ 0.250	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 17	---	---	---
Potassium	ppm	█ 0	---	---	---

WEAR METALS

PQ		█ 9	---	---	---
Iron	ppm	█ 63	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 3	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	█ 0	---	---	---

ADDITIVES

Calcium	ppm	█ 6	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 17	---	---	---
Phosphorus	ppm	█ 1414	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 294	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP179089

Unique No: 10762955

Signed: Jonathan Hester

Report Date: 30 Nov 2023

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GRAPHS

