

OIL ANALYSIS REPORT

VOLVO PENTA

NARDINI VOLVO PENTA 2006036757 - STARBOARD DIESEL ENGINE

Sample No: VPA055010

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA055010	---	---	---
Sample Date	16 Jul 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

Outstanding Marine

PO Box 274
GALENA, MD
US 21635
Contact: Ronda Bolinger
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T:
F:

OIL CONDITION

Visc @ 100°C	cSt	▲ 30.8	---	---	---
Oxidation (PA)	%	154	---	---	---

CONTAMINATION

Water	%	▲ 0.504	---	---	---
Soot %	%	■ 0.5	---	---	---
Nitration (PA)	%	357	---	---	---
Sulfation (PA)	%	0	---	---	---
Glycol	%	◆ 0.10	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	▲ 26	---	---	---
Sodium	ppm	▲ 272	---	---	---
Potassium	ppm	■ 19	---	---	---

WEAR METALS

Iron	ppm	■ 21	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 3	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	■ 1578	---	---	---
Magnesium	ppm	■ 47	---	---	---
Zinc	ppm	■ 956	---	---	---
Phosphorus	ppm	763	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 195	---	---	---

Diagnosis

We advise that you check for the source of the coolant leak. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. Please note that there was too much water present in the oil to perform an accurate viscosity test. All component wear rates are normal. Test for glycol is positive. There is a moderate concentration of water present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP153685
Unique No: 10561109
Signed: Doug Bogart
Report Date: 20 Jul 2023

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GRAPHS

