

OIL ANALYSIS REPORT

VOLVO PENTA

ANDIANO MIDI ZF I32520311067 - INBOARD - PORT GEARBOX

Sample No: VPA058032

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA058032	---	---	---
Sample Date	20 Dec 2023	---	---	---
Machine Hours	13	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 88.4	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 77	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 1	---	---	---

WEAR METALS

PQ		■ 22	---	---	---
Iron	ppm	■ 12	---	---	---
Copper	ppm	■ 161	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 4	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	3106	---	---	---
Magnesium	ppm	8	---	---	---
Zinc	ppm	871	---	---	---
Phosphorus	ppm	771	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	23	---	---	---

Marine International Diesels Inc.
3600 HACIENDA BLVD UNIT G
DAVIE, FL
US 33314
Contact: JEF BURKE
midijef@gmail.com;canastasio@wearcheckusa.com
T:
F:

Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.

Depot: VP694356
Unique No: 10806981
Signed: Angela Borella
Report Date: 28 Dec 2023

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GRAPHS

