

OIL ANALYSIS REPORT

VOLVO PENTA

ZF 20206759 - INBOARD - PORT GEARBOX

Sample No: VPA046429

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA046429	---	---	---
Sample Date	20 Jul 2023	---	---	---
Machine Hours	770	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 94.1	---	---	---
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CONTAMINATION

Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 8	---	---	---
Potassium	ppm	■ 0	---	---	---

WEAR METALS

PQ		■ 17	---	---	---
Iron	ppm	■ 33	---	---	---
Copper	ppm	■ 267	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 15	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	65	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	2155	---	---	---
Magnesium	ppm	357	---	---	---
Zinc	ppm	1007	---	---	---
Phosphorus	ppm	870	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	299	---	---	---

Marine International Diesels Inc.

3600 HACIENDA BLVD UNIT G
DAVIE, FL
US 33314
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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal for OEM. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP694356
Unique No: 10576968
Signed: Doug Bogart
Report Date: 31 Jul 2023

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GRAPHS

