

OIL ANALYSIS REPORT

VOLVO PENTA

FRANK GT5001 VOLVO PENTA 3950003716 - PORT IPS

Sample No: VPA041387
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA041387	---	---	---
Sample Date	23 Jan 2023	---	---	---
Machine Hours	1212	---	---	---
Oil Hours	200	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

GRAND BANKS

450 SW SALEM RD
STUART, FL
US 34994
Contact: ROBERT ANTONA
roberta@gbmarinegroup.com
T: (609)384-5290
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 104	---	---	---
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CONTAMINATION

Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ 30	---	---	---
Potassium	ppm	■ 3	---	---	---

WEAR METALS

PQ		■ 26	---	---	---
Iron	ppm	▲ 336	---	---	---
Copper	ppm	■ 36	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 7	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 17	---	---	---
Magnesium	ppm	■ 60	---	---	---
Zinc	ppm	■ 282	---	---	---
Phosphorus	ppm	■ 1463	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 111	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Moderate concentration of visible metal present. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP531377
Unique No: 10312652
Signed: Jonathan Hester
Report Date: 31 Jan 2023

OIL ANALYSIS REPORT

GRAPHS

