

OIL ANALYSIS REPORT

**VOLVO
PENTA**

MARK THORNDYKE ZF HURTH 20372485 - INBOARD - STARBOARD GEARBOX

Sample No: VPA059319

Oil Type: SAE 30W

SAMPLE INFORMATION

Sample Number	VPA059319	---	---	---
Sample Date	20 Oct 2023	---	---	---
Machine Hours	341	---	---	---
Oil Hours	90	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

CHICAGO YACHT WORKS
2550 S ASHLAND AVE
CHICAGO, IL
US 60608
Contact: JONATHAN PAIGE
jonathan@chicagoyachtworks.com
T: (312)666-6670
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 89.5	---	---	---
-------------	-----	--------	-----	-----	-----

CONTAMINATION

Silicon	ppm	■ 7	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 0	---	---	---

Diagnosis

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

WEAR METALS

PQ		■ 13	---	---	---
Iron	ppm	■ 13	---	---	---
Copper	ppm	■ 24	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 39	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 3233	---	---	---
Magnesium	ppm	■ 21	---	---	---
Zinc	ppm	■ 1069	---	---	---
Phosphorus	ppm	■ 905	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 416	---	---	---

Depot: VP1080862
Unique No: 10714473
Signed: Sean Felton
Report Date: 31 Oct 2023

OIL ANALYSIS REPORT



GRAPHS

