

OIL ANALYSIS REPORT

VOLVO PENTA

SWOPE 460-199 PIG VOLVO PENTA 3200004123 - STARBOARD IPS

Sample No: VPA057083

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA057083	---	---	---
Sample Date	13 Dec 2023	---	---	---
Machine Hours	152	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Outstanding Marine

PO Box 274
GALENA, MD
US 21635
Contact: Ronda Bolinger
rlwb@verizon.net

T:
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 93.9	---	---	---
-------------	-----	--------	-----	-----	-----

CONTAMINATION

Water	%	■ 0.097	---	---	---
Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 7	---	---	---

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		■ 20	---	---	---
Iron	ppm	■ 40	---	---	---
Copper	ppm	■ 12	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 5	---	---	---
Vanadium	ppm	■ <1	---	---	---

ADDITIVES

Calcium	ppm	■ 35	---	---	---
Magnesium	ppm	■ 955	---	---	---
Zinc	ppm	■ 0	---	---	---
Phosphorus	ppm	■ 1544	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 551	---	---	---

Depot: VP153685
Unique No: 10816492
Signed: Angela Borella
Report Date: 04 Jan 2024

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

