

OIL ANALYSIS REPORT

**VOLVO
PENTA**

MILLER VOLVO PENTA 3950009847 - STARBOARD IPS

Sample No: VPA059988

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA059988	---	---	---
Sample Date	05 Dec 2023	---	---	---
Machine Hours	153	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Walstrom Marine - 767948

501 Bay Street
HARBOR SPRINGS, MI
US 49740

Contact: MARK LEWIS
mlewis@walstrom.com

T:
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 94.3	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ 13	---	---	---

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	■ 57	---	---	---
Copper	ppm	5	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	47	---	---	---
Magnesium	ppm	879	---	---	---
Zinc	ppm	0	---	---	---
Phosphorus	ppm	1630	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	513	---	---	---

Depot: VP154879
Unique No: 10790123
Signed: Don Baldrige
Report Date: 18 Dec 2023

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GRAPHS

