

OIL ANALYSIS REPORT

**VOLVO
PENTA**

ERIC LANGER 44826 VOLVO PENTA 1101060632 - STARBOARD DIESEL ENGINE

Sample No: VPA044705

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA044705	---	---	---
Sample Date	17 Oct 2023	---	---	---
Machine Hours	1553	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

SPRING BROOK MARINA INC

623 N 2553RD RD
SENECA, IL
US 61360-0379
Contact: TIM MARGIS
tim@springbrookmarina.com
T:
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 14.22	---	---	---
Oxidation (PA)	%	66	---	---	---

CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	58	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 8	---	---	---

Diagnosis

No corrective action is recommended at this time. 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

Iron	ppm	█ 5	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 11	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 2035	---	---	---
Magnesium	ppm	█ 128	---	---	---
Zinc	ppm	█ 1211	---	---	---
Phosphorus	ppm	█ 1072	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 172	---	---	---

Depot: VP154312
Unique No: 10709750
Signed: Doug Bogart
Report Date: 23 Oct 2023

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GRAPHS

