

OIL ANALYSIS REPORT

VOLVO PENTA

DARYL GRUBBS 505527 VOLVO PENTA 3200001851 - STARBOARD IPS

Sample No: VPA049823

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA049823	VPA050755	---	---
Sample Date	26 Sep 2023	28 Aug 2023	---	---
Machine Hours	1112	1106	---	---
Oil Hours	182	200	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

Jefferson Beach Yacht Sales Inc

24400 Jefferson Ave.
SAINT CLAIR SHORES, MI
US 48080

Contact: DENNIS BUTT
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F:

OIL CONDITION

Visc @ 40°C	cSt	101	█ 101	---	---
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CONTAMINATION

Silicon	ppm	2	█ 2	---	---
Sodium	ppm	█ 0	█ 1	---	---
Potassium	ppm	█ 1	█ 1	---	---

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		█ 36	█ 32	---	---
Iron	ppm	█ 164	█ 141	---	---
Copper	ppm	█ 31	█ 24	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	4	4	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 1	█ 0	---	---
Nickel	ppm	█ 3	█ 2	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 2	█ 2	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 3	█ 8	---	---
Magnesium	ppm	█ 0	█ 4	---	---
Zinc	ppm	█ 5	█ 0	---	---
Phosphorus	ppm	█ 1513	█ 1482	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 418	█ 372	---	---

Depot: VP297371

Unique No: 10672256

Signed: Don Baldrige

Report Date: 02 Oct 2023

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GRAPHS

