

OIL ANALYSIS REPORT

VOLVO PENTA

MARTIN SCHULZ 505587 VOLVO PENTA 3200003806 - STARBOARD IPS

Sample No: VPA049824

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA049824	VPA041100	---	---
Sample Date	21 Sep 2023	08 Dec 2022	---	---
Machine Hours	239	188	---	---
Oil Hours	51	188	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ATTENTION	---	---

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	█ 105	105	---	---
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CONTAMINATION

Silicon	ppm	█ 1	3	---	---
Sodium	ppm	█ 0	█ 2	---	---
Potassium	ppm	█ 2	█ 5	---	---

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	█ 9	---	---
Iron	ppm	█ 14	█ 41	---	---
Copper	ppm	█ 7	10	---	---
Lead	ppm	█ 0	0	---	---
Tin	ppm	█ 0	0	---	---
Aluminum	ppm	█ 1	2	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ <1	█ <1	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	█ 0	0	---	---
Silver	ppm	█ 0	0	---	---
Manganese	ppm	█ <1	█ 3	---	---
Vanadium	ppm	█ 0	0	---	---

ADDITIVES

Calcium	ppm	█ 6	█ 25	---	---
Magnesium	ppm	█ 5	█ 74	---	---
Zinc	ppm	█ 6	█ 11	---	---
Phosphorus	ppm	█ 1496	█ 1326	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 425	█ 311	---	---

Depot: VP297371

Unique No: 10672254

Signed: Sean Felton

Report Date: 02 Oct 2023

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GRAPHS

