

OIL ANALYSIS REPORT



FRANK NICOLELLA 505821 VOLVO PENTA 3940014489 - STARBOARD IPS

Sample No: VPA056339

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA056339	VPA040257	VPA031662	---
Sample Date	10 Jan 2024	15 Dec 2021	11 Jan 2021	---
Machine Hours	466	457	377	---
Oil Hours	41	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

Jefferson Beach Yacht Sales Inc
 24400 Jefferson Ave.
 SAINT CLAIR SHORES, MI
 US 48080
 Contact: DENNIS BUTT
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 T: (866)490-5297
 F:

OIL CONDITION

Visc @ 40°C	cSt	109	109	105	---
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CONTAMINATION

Water	%	▲ 0.335	NEG	NEG	---
Silicon	ppm	11	8	13	---
Sodium	ppm	0	0	2	---
Potassium	ppm	0	0	<1	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		22	21	24	---
Iron	ppm	81	50	86	---
Copper	ppm	11	4	7	---
Lead	ppm	0	0	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	1	<1	0	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	4	<1	2	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	8	6	6	---
Magnesium	ppm	8	8	8	---
Zinc	ppm	30	0	<1	---
Phosphorus	ppm	1381	1382	1328	---
Barium	ppm	0	0	0	---
Boron	ppm	283	303	320	---

Depot: VP297371
Unique No: 10832885
Signed: Jonathan Hester
Report Date: 18 Jan 2024

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GRAPHS

