

OIL ANALYSIS REPORT



ROBERT KALSER 505512 VOLVO PENTA 3950001332 - STARBOARD IPS

Sample No: VPA048803

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA048803	VPA048675	VPA022359	---
Sample Date	14 Dec 2023	03 Mar 2023	27 Sep 2019	---
Machine Hours	1082	994	783	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	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	108	104	105	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	1	4	2	---
Sodium	ppm	1	0	1	---
Potassium	ppm	1	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		12	15	18	---
Iron	ppm	30	44	14	---
Copper	ppm	1	3	2	---
Lead	ppm	0	0	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	<1	3	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	<1	0	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	24	4	3	---
Magnesium	ppm	<1	5	0	---
Zinc	ppm	6	6	1	---
Phosphorus	ppm	1409	1305	1291	---
Barium	ppm	0	2	0	---
Boron	ppm	355	303	279	---

Depot: VP297371
Unique No: 10793358
Signed: Don Baldrige
Report Date: 20 Dec 2023

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GRAPHS

