



# VOLVO PENTA

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**JIM BONAHOOM [GARRETT 17517]**  
 Machine Id  
**VOLVO PENTA 3940014719**  
 Component  
**Starboard IPS**  
 Fluid  
**GEAR OIL SAE 75W90 (4 GAL)**

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VPA055748	VPA027971	---
Sample Date		Client Info		24 Jan 2024	10 Jan 2021	---
Machine Age	hrs	Client Info		940	0	---
Oil Age	hrs	Client Info		40	60	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		22	19	---
Iron	ppm	ASTM D5185m	>200	5	16	---
Chromium	ppm	ASTM D5185m	>10	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m		2	0	---
Lead	ppm	ASTM D5185m		0	0	---
Copper	ppm	ASTM D5185m		2	4	---
Tin	ppm	ASTM D5185m		<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

### CONTAMINATION

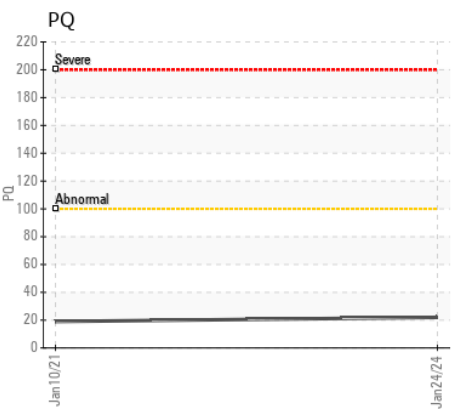
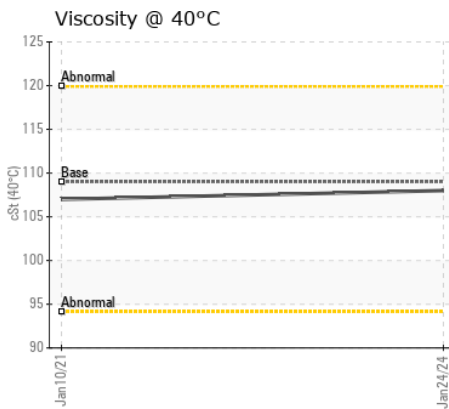
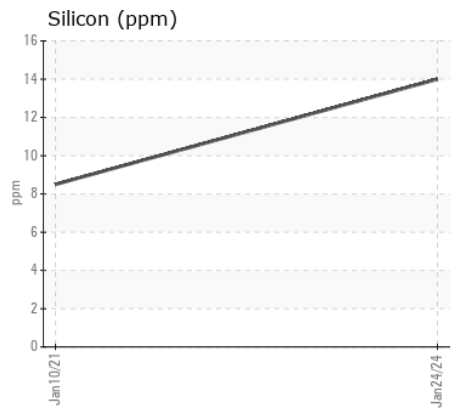
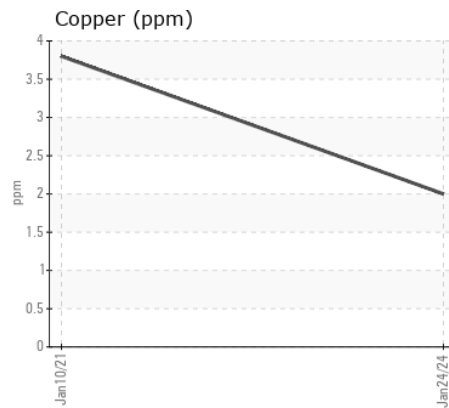
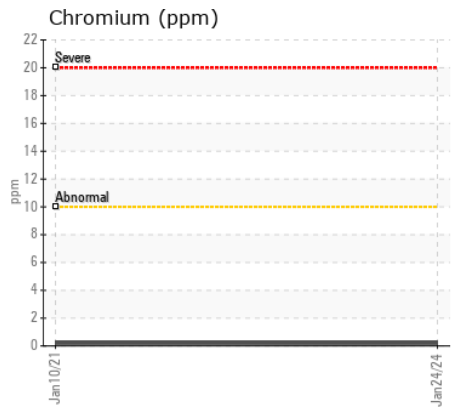
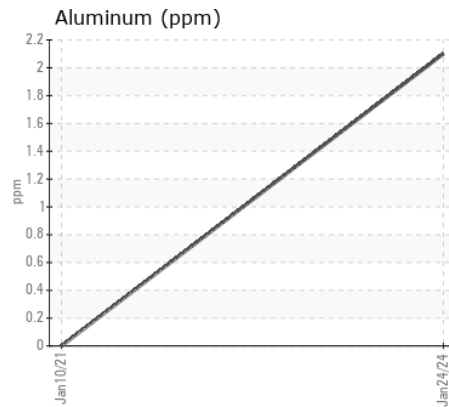
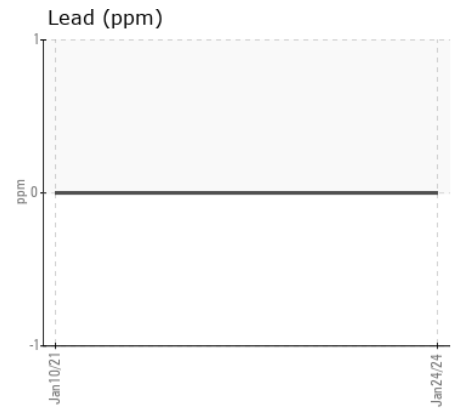
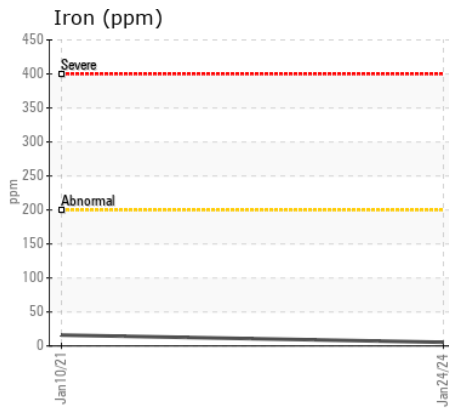
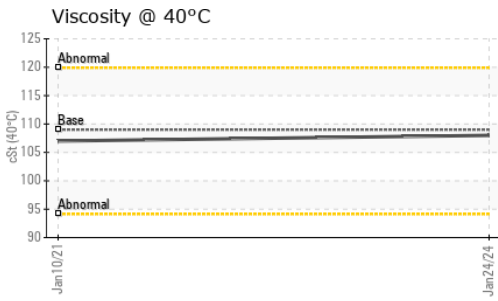
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		14	8	---
Potassium	ppm	ASTM D5185m	>20	1	0	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

### FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		0	<1	---
Boron	ppm	ASTM D5185m	400	329	320	---
Barium	ppm	ASTM D5185m	200	<1	0	---
Molybdenum	ppm	ASTM D5185m	12	0	0	---
Manganese	ppm	ASTM D5185m		0	<1	---
Magnesium	ppm	ASTM D5185m	12	<1	<1	---
Calcium	ppm	ASTM D5185m	150	1	2	---
Phosphorus	ppm	ASTM D5185m	1650	1400	1460	---
Zinc	ppm	ASTM D5185m	125	0	0	---
Sulfur	ppm	ASTM D5185m	22500	28509	23469	---
Visc @ 40°C	cSt	ASTM D445	109	108	107	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VPA055748 **Received** : 31 Jan 2024  
**Lab Number** : 06076083 **Diagnosed** : 01 Feb 2024  
**Unique Number** : 10858174 **Diagnostician** : Sean Felton  
**Test Package** : MOB 1 ( Additional Tests: PQ )

**Bayview Yachtcrafters Inc**  
 31785 S. River Road  
 HARRISON TOWNSHIP, MI  
 US 48045

Contact: Shawn Robertson  
 bayviewyachtcrafters@comcast.net

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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F: