



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
HERMAN [GREG ELLIS]
Machine Id
VOLVO PENTA 3200003444
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		VPA057448	---	---
Sample Date		Client Info		10 Jun 2024	---	---
Machine Age	hrs	Client Info		419	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		23	---	---
Iron	ppm	ASTM D5185m	>275	148	---	---
Chromium	ppm	ASTM D5185m	>4	1	---	---
Nickel	ppm	ASTM D5185m	>4	2	---	---
Titanium	ppm	ASTM D5185m	>3	<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>10	8	---	---
Lead	ppm	ASTM D5185m	>4	<1	---	---
Copper	ppm	ASTM D5185m	>30	21	---	---
Tin	ppm	ASTM D5185m	>3	0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

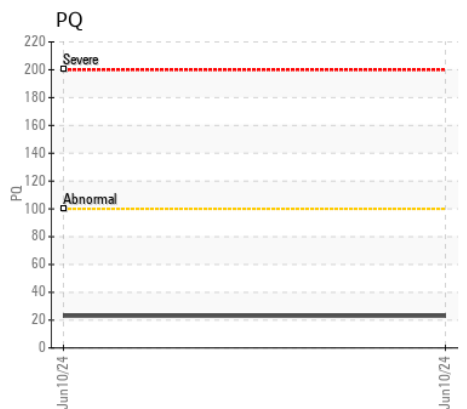
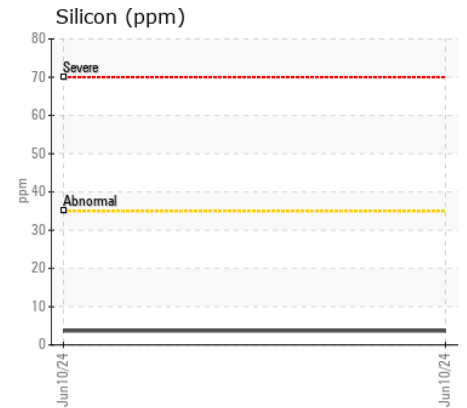
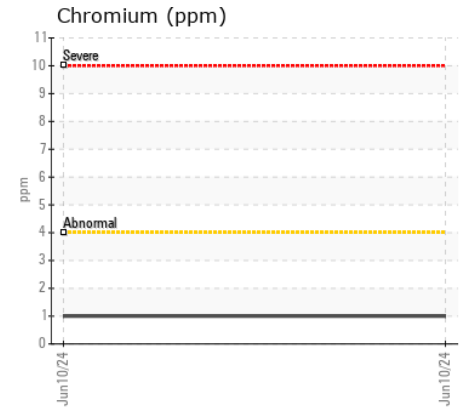
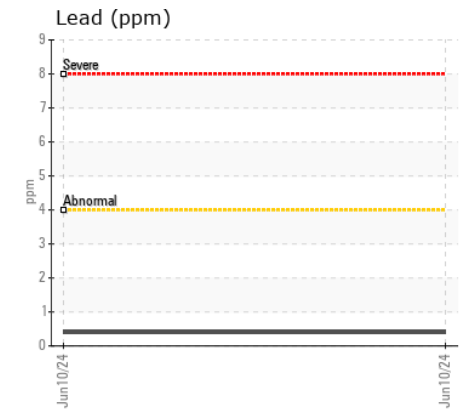
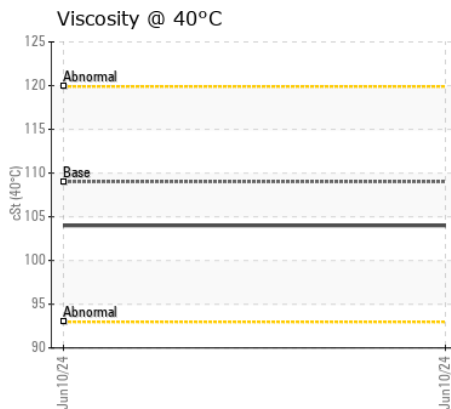
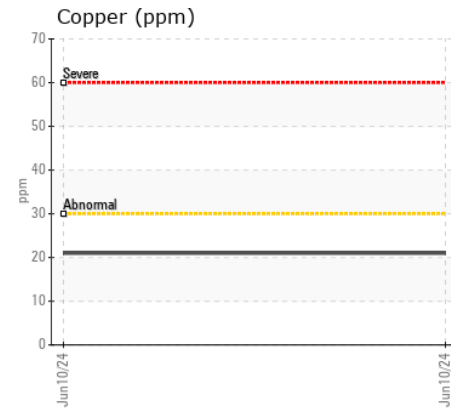
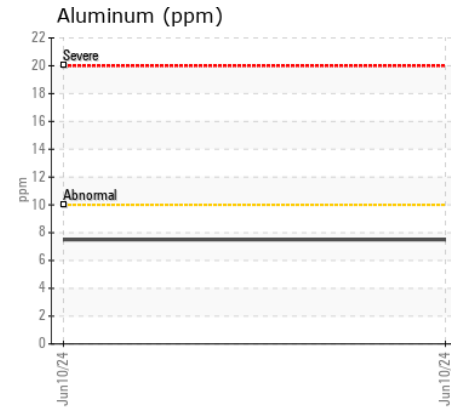
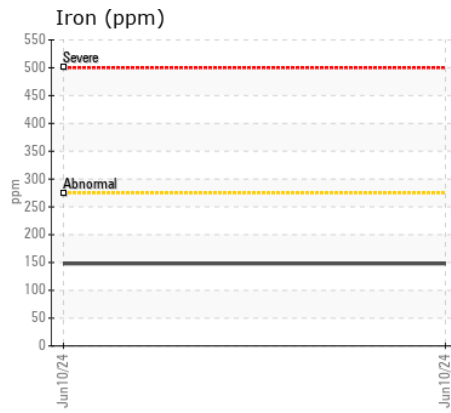
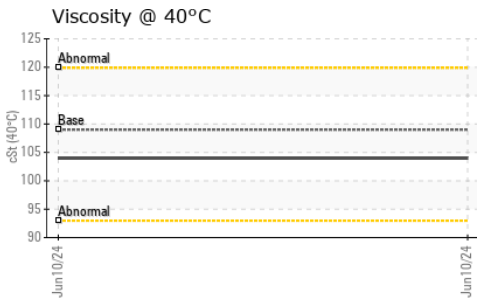
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	4	---	---
Potassium	ppm	ASTM D5185m	>20	3	---	---
Water		WC Method	>0.2	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		8	---	---
Boron	ppm	ASTM D5185m	400	260	---	---
Barium	ppm	ASTM D5185m	200	11	---	---
Molybdenum	ppm	ASTM D5185m	12	<1	---	---
Manganese	ppm	ASTM D5185m		4	---	---
Magnesium	ppm	ASTM D5185m	12	10	---	---
Calcium	ppm	ASTM D5185m	150	6	---	---
Phosphorus	ppm	ASTM D5185m	1650	1289	---	---
Zinc	ppm	ASTM D5185m	125	16	---	---
Sulfur	ppm	ASTM D5185m	22500	22552	---	---
Visc @ 40°C	cSt	ASTM D445	109	104	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VPA057448 **Received** : 14 Jun 2024
Lab Number : 06210471 **Tested** : 17 Jun 2024
Unique Number : 11083335 **Diagnosed** : 18 Jun 2024 - Sean Felton
Test Package : MOB 1 (Additional Tests: PQ)

Galati Yacht Sales LLC
 900 S. BAY BLVD., PO Box 862
 ANNA MARIA, FL
 US 34216
 Contact: SEAN CARDOW
 SCARDOW@GALATIYACHTS.COM

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: