



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
BRANNON [585994]
 Machine Id
VOLVO PENTA 3950005464
 Component
Starboard IPS
 Fluid
GEAR OIL SAE 75W90 (6 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		VPA025255	VPA020062	---
Sample Date		Client Info		22 Apr 2024	30 Mar 2021	---
Machine Age	hrs	Client Info		434	89	---
Oil Age	hrs	Client Info		89	89	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Cleaned	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		17	26	---
Iron	ppm	ASTM D5185m	>200	36	33	---
Chromium	ppm	ASTM D5185m	>10	0	<1	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m		<1	1	---
Lead	ppm	ASTM D5185m		0	0	---
Copper	ppm	ASTM D5185m		<1	5	---
Tin	ppm	ASTM D5185m		<1	0	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

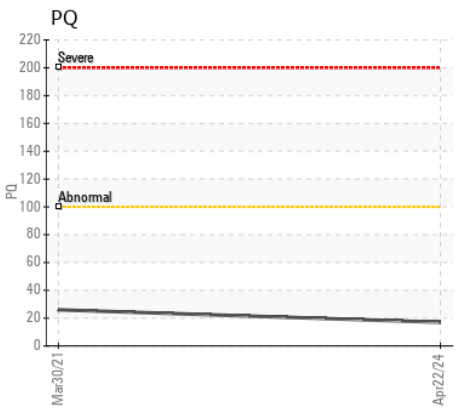
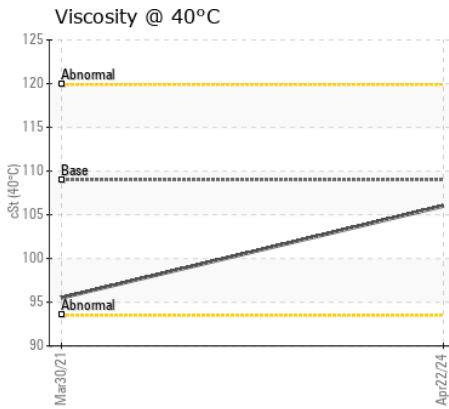
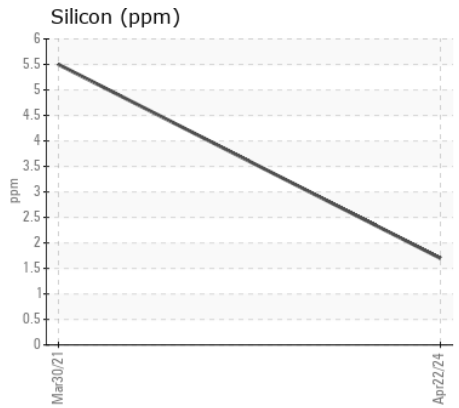
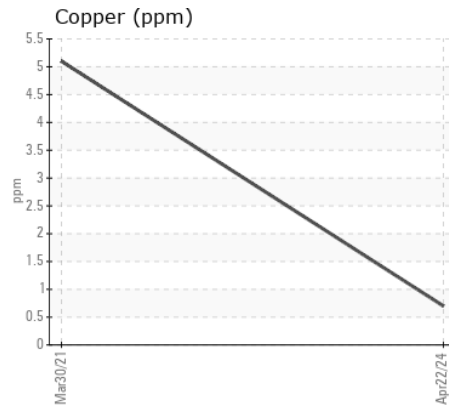
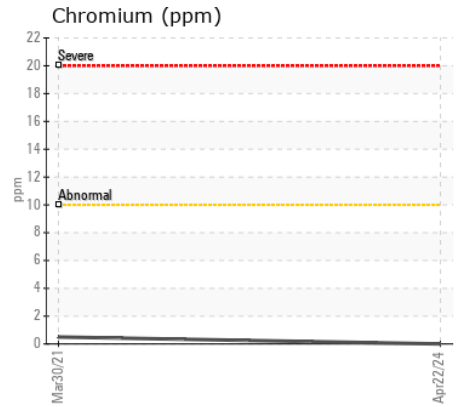
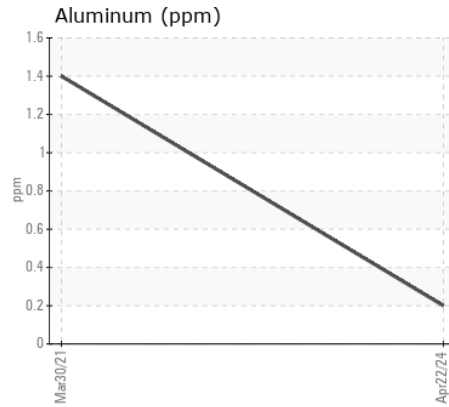
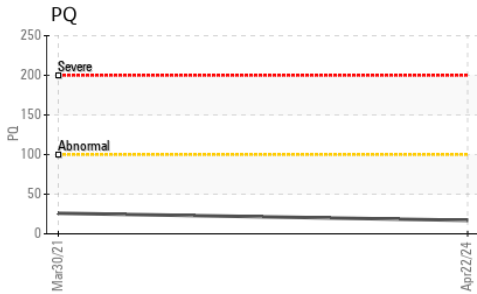
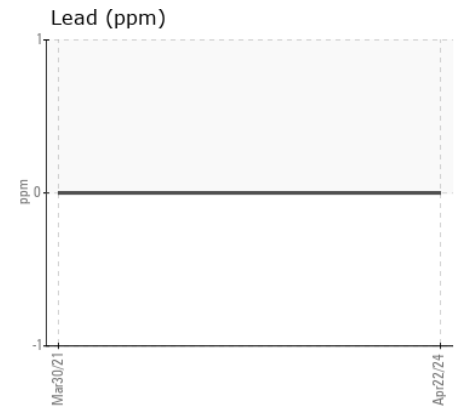
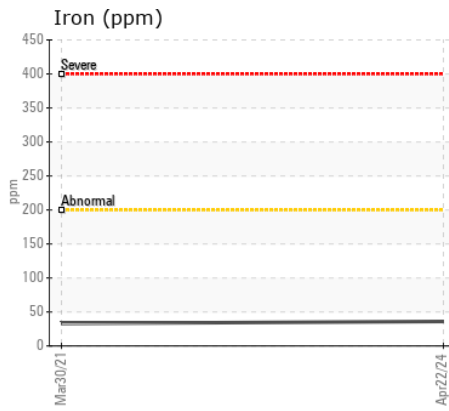
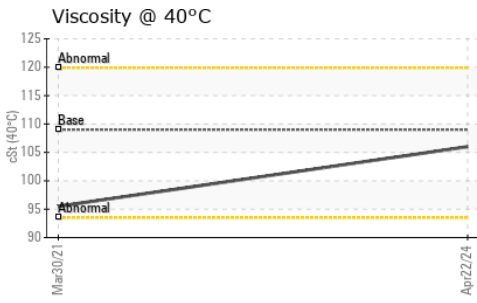
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		2	6	---
Potassium	ppm	ASTM D5185m	>20	<1	10	---
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		7	5	---
Boron	ppm	ASTM D5185m	400	324	506	---
Barium	ppm	ASTM D5185m	200	0	0	---
Molybdenum	ppm	ASTM D5185m	12	0	0	---
Manganese	ppm	ASTM D5185m		2	5	---
Magnesium	ppm	ASTM D5185m	12	15	988	---
Calcium	ppm	ASTM D5185m	150	12	38	---
Phosphorus	ppm	ASTM D5185m	1650	1494	1505	---
Zinc	ppm	ASTM D5185m	125	5	3	---
Sulfur	ppm	ASTM D5185m	22500	28568	19114	---
Visc @ 40°C	cSt	ASTM D445	109	106	95.5	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : VPA025255

Lab Number : 06160718

Unique Number : 10996141

Test Package : MOB 1 (Additional Tests: PQ)

Received : 25 Apr 2024

Tested : 26 Apr 2024

Diagnosed : 29 Apr 2024 - Don Baldrige

Galati Yacht Sales LLC

900 S. BAY BLVD., PO Box 862

ANNA MARIA, FL

US 34216

Contact: SEAN CARDOW

SCARDOW@GALATIYACHTS.COM

T:

F:

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)