



WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
BROACHE [NICK/23582]
Machine Id
VELVET DRIVE 5322 - INBOARD
Component
Port Gearbox
Fluid
DEXTRON ATF (--- GAL)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated. Clutch wear is indicated.

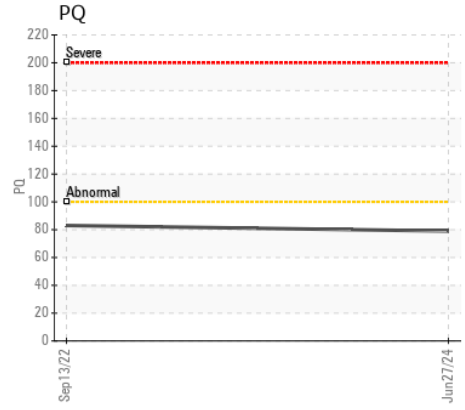
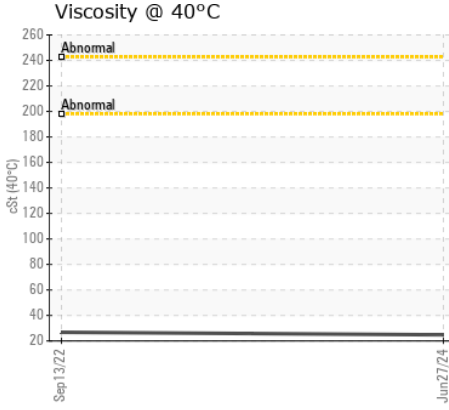
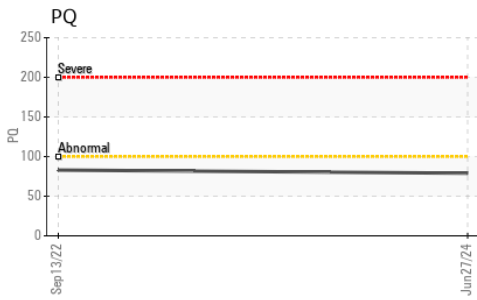
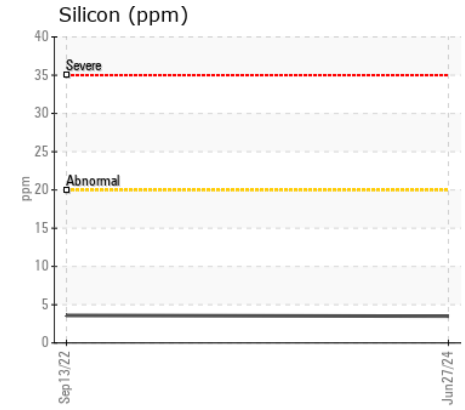
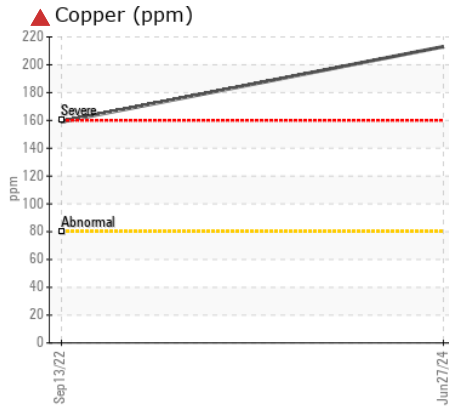
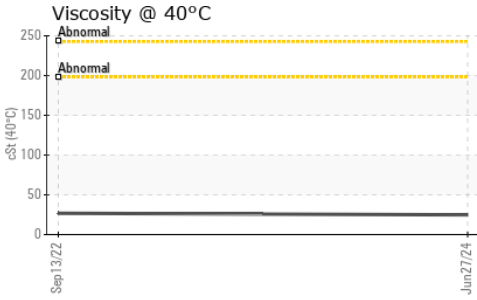
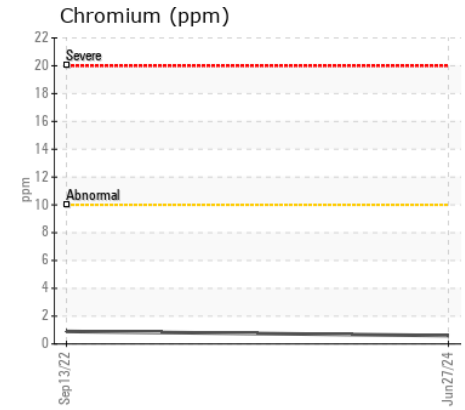
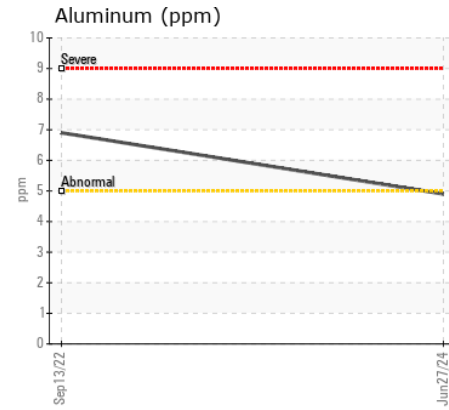
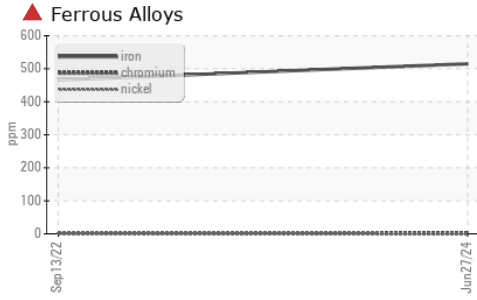
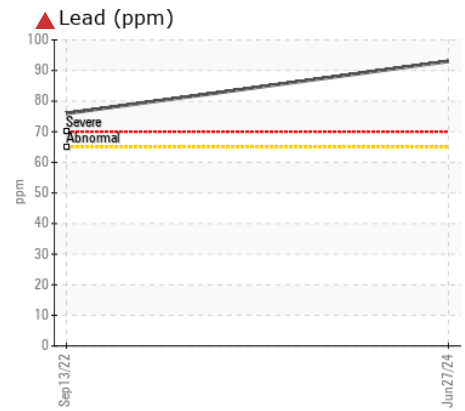
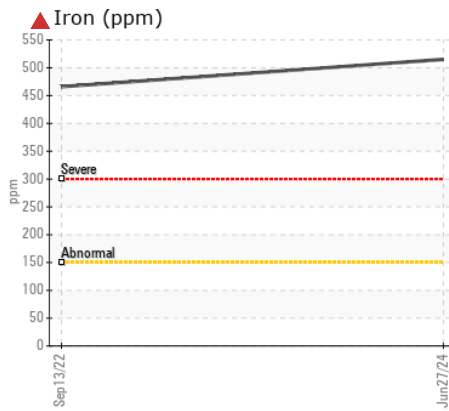
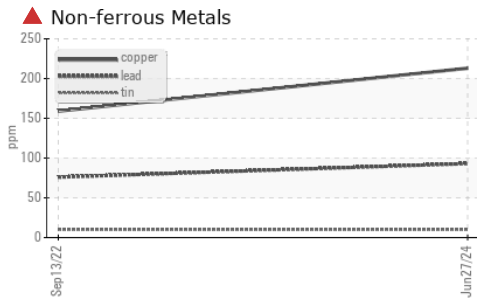
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VPA060727	VPA042643	---
Sample Date		Client Info		27 Jun 2024	13 Sep 2022	---
Machine Age	hrs	Client Info		663	654	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				SEVERE	SEVERE	---
PQ		ASTM D8184		79	83	---
Iron	ppm	ASTM D5185m	>150	▲ 515	▲ 466	---
Chromium	ppm	ASTM D5185m	>10	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	2	2	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>5	5	7	---
Lead	ppm	ASTM D5185m	>65	▲ 93	76	---
Copper	ppm	ASTM D5185m	>80	▲ 213	159	---
Tin	ppm	ASTM D5185m	>8	▲ 10	10	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>20	4	4	---
Potassium	ppm	ASTM D5185m	>20	7	5	---
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	---
Sodium	ppm	ASTM D5185m		4	6	---
Boron	ppm	ASTM D5185m		43	47	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		1	1	---
Manganese	ppm	ASTM D5185m		5	5	---
Magnesium	ppm	ASTM D5185m		0	1	---
Calcium	ppm	ASTM D5185m		77	34	---
Phosphorus	ppm	ASTM D5185m		205	156	---
Zinc	ppm	ASTM D5185m		97	57	---
Sulfur	ppm	ASTM D5185m		1086	964	---
Visc @ 40°C	cSt	ASTM D445		24.8	26.8	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VPA060727 **Received** : 02 Jul 2024
Lab Number : 06226568 **Tested** : 03 Jul 2024
Unique Number : 11110061 **Diagnosed** : 05 Jul 2024 - Jonathan Hester
Test Package : MOB 1 (Additional Tests: PQ)

Seven Seas Yacht Services LLC
 1804 CRAB ALLEY DR
 CHESTER, MD
 US 21619
 Contact: Stephanie Wright
 stephanie@sevenseasys.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)

T:
F: