



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**JASON MIDDLETON**

Machine Id  
**3940014311**

Component  
**Starboard IPS**

Fluid  
**{not provided} (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VPA062126	---	---
Sample Date		Client Info		05 Apr 2024	---	---
Machine Age	hrs	Client Info		651	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

**WEAR**

Metal levels are typical for a new component breaking in.

PQ		ASTM D8184*		3	---	---
Iron	ppm	ASTM D5185(m)	>275	297	---	---
Chromium	ppm	ASTM D5185(m)	>4	2	---	---
Nickel	ppm	ASTM D5185(m)	>4	3	---	---
Titanium	ppm	ASTM D5185(m)	>3	0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>10	6	---	---
Lead	ppm	ASTM D5185(m)	>4	0	---	---
Copper	ppm	ASTM D5185(m)	>30	19	---	---
Tin	ppm	ASTM D5185(m)	>3	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

**CONTAMINATION**

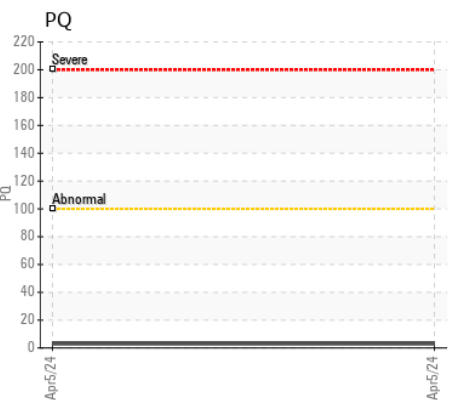
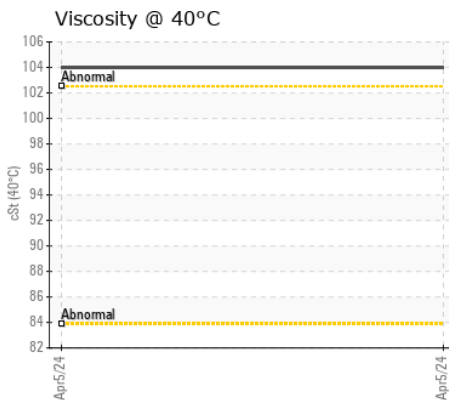
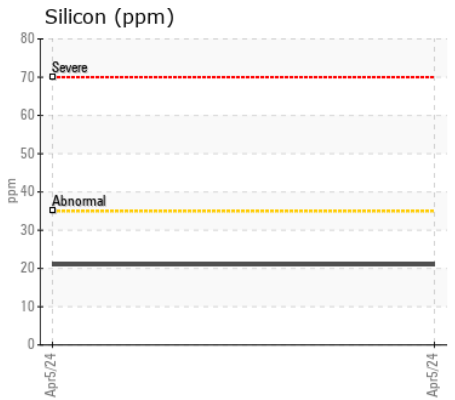
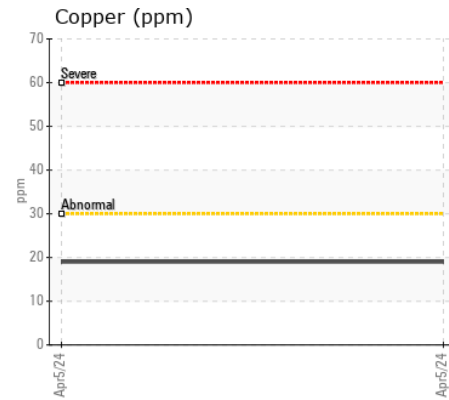
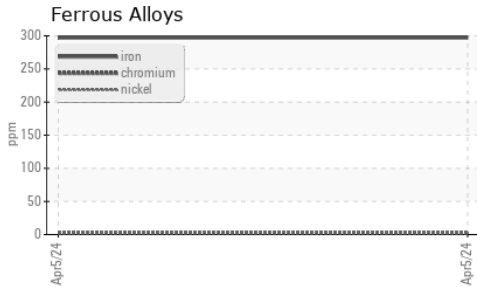
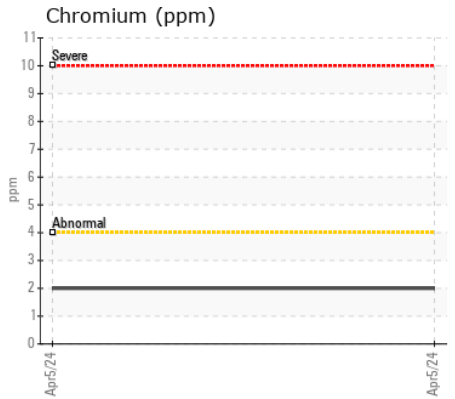
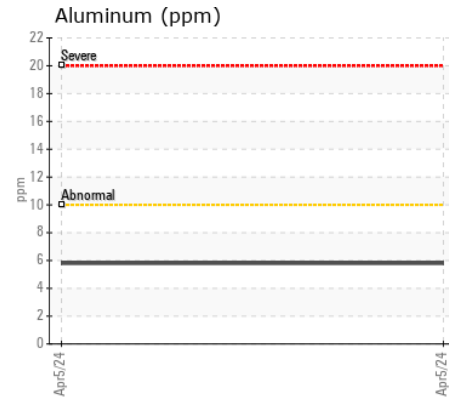
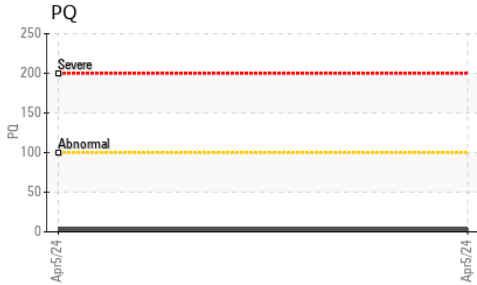
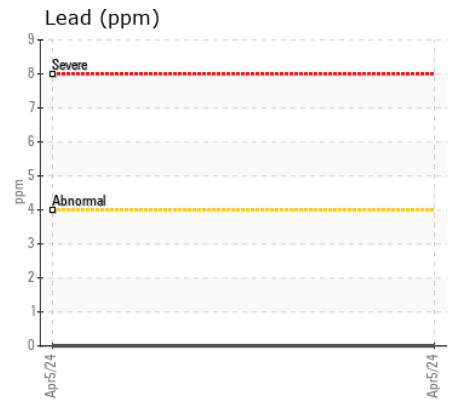
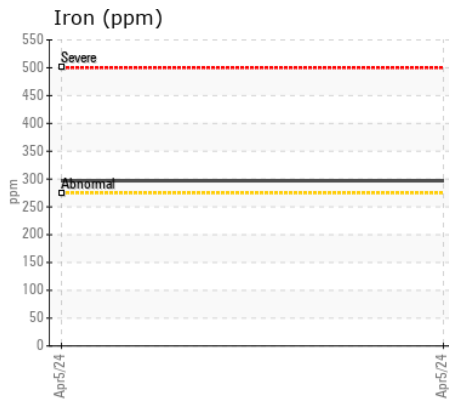
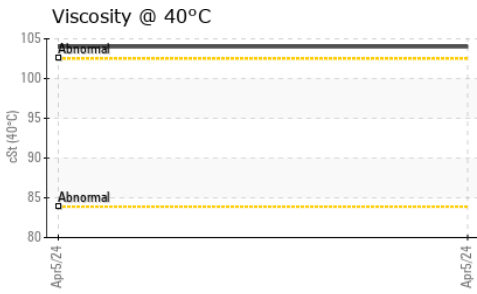
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>35	21	---	---
Potassium	ppm	ASTM D5185(m)	>20	1	---	---
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**

Viscosity of sample indicates oil is within SAE 75W90 range, advise investigate. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		26	---	---
Boron	ppm	ASTM D5185(m)		248	---	---
Barium	ppm	ASTM D5185(m)		<1	---	---
Molybdenum	ppm	ASTM D5185(m)		0	---	---
Manganese	ppm	ASTM D5185(m)		6	---	---
Magnesium	ppm	ASTM D5185(m)		5	---	---
Calcium	ppm	ASTM D5185(m)		5	---	---
Phosphorus	ppm	ASTM D5185(m)		1344	---	---
Zinc	ppm	ASTM D5185(m)		23	---	---
Sulfur	ppm	ASTM D5185(m)		22047	---	---
Visc @ 40°C	cSt	ASTM D7279(m)		104	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : VPA062126 **Received** : 10 Jun 2024  
**Lab Number** : 02640875 **Tested** : 11 Jun 2024  
**Unique Number** : 5798414 **Diagnosed** : 11 Jun 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: PQ )

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

**Sea Power Ltd**  
 2077 Amelia Ave  
 SIDNEY, BC  
 CA V8L 3Z8  
 Contact: Kayla Sousa  
 service@seapower.ca  
 T: (250)656-4341  
 F: