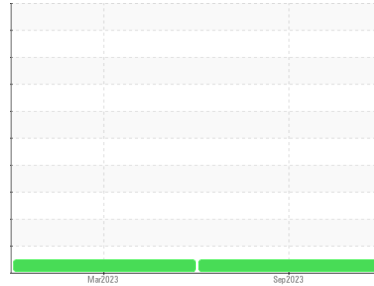




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
50045255
 Component
Starboard Gearbox
 Fluid
NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0730363	WC0730357	---
Sample Date	Client Info			26 Sep 2023	19 Mar 2023	---
Machine Age	hrs	Client Info		436	323	---
Oil Age	hrs	Client Info		436	323	---
Oil Changed	Client Info			Not Chngd	Not Chngd	---
Sample Status				NORMAL	NORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>150	20	14	---
Chromium	ppm	ASTM D5185(m)	>10	0	0	---
Nickel	ppm	ASTM D5185(m)	>10	<1	0	---
Titanium	ppm	ASTM D5185(m)		13	13	---
Silver	ppm	ASTM D5185(m)		<1	0	---
Aluminum	ppm	ASTM D5185(m)	>5	6	4	---
Lead	ppm	ASTM D5185(m)	>65	2	2	---
Copper	ppm	ASTM D5185(m)	>80	23	15	---
Tin	ppm	ASTM D5185(m)	>8	<1	<1	---
Antimony	ppm	ASTM D5185(m)	>5	0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	<1	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

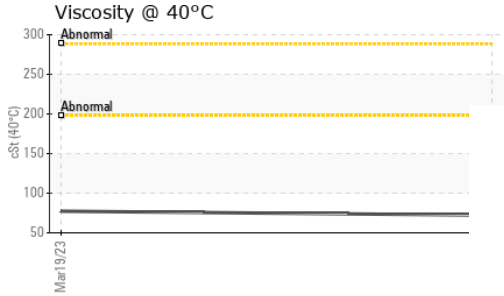
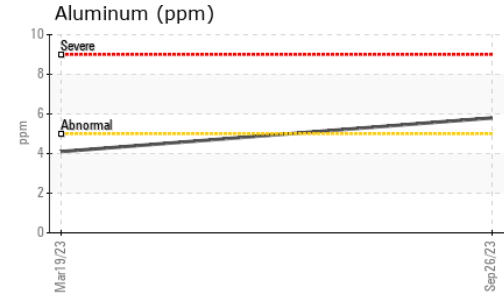
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		82	78	---
Barium	ppm	ASTM D5185(m)		2	2	---
Molybdenum	ppm	ASTM D5185(m)		24	22	---
Manganese	ppm	ASTM D5185(m)		<1	<1	---
Magnesium	ppm	ASTM D5185(m)		581	533	---
Calcium	ppm	ASTM D5185(m)		1685	1686	---
Phosphorus	ppm	ASTM D5185(m)		731	773	---
Zinc	ppm	ASTM D5185(m)		877	837	---
Sulfur	ppm	ASTM D5185(m)		3449	4102	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	4	4	---
Sodium	ppm	ASTM D5185(m)		5	5	---
Potassium	ppm	ASTM D5185(m)	>20	1	3	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	NONE	---
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	---
Free Water	scalar	Visual*		NEG	NEG	---



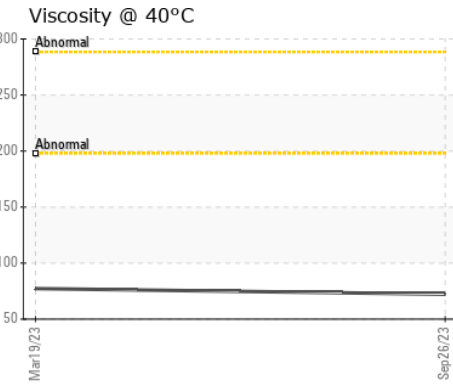
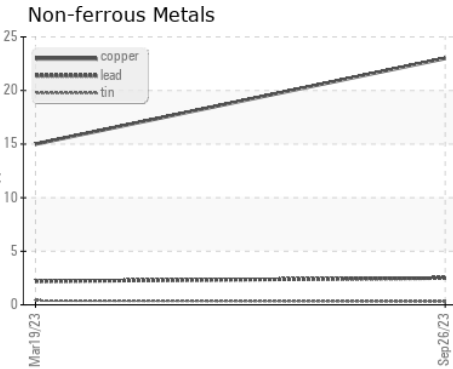
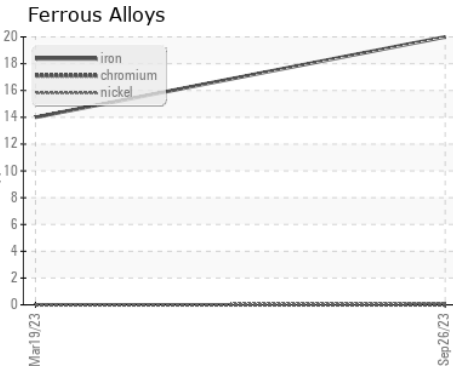
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)		72.2	77.3	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						no image
Bottom						no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0730363
Lab Number : 02586520
Unique Number : 5655586
Test Package : MAR 1

CANADIAN COAST GUARD
 CCGS CHIGNECTO BAY, 82 BICKERTON EAST
 PORT BICKERTON, NS
 CA B0J 1A0
 Contact: ENGINEER BICKERTON
 bickertoneng.ccg@dfo-mpo.gc.ca
 T: (902)364-2555
 F:

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.