



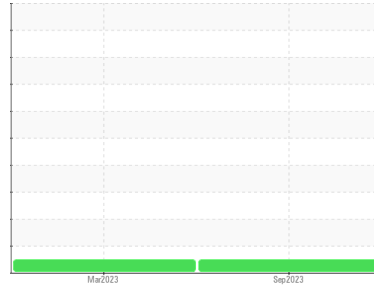
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**50045256**  
Component  
**Port 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		<b>WC0730364</b>	WC0730358	---
Sample Date	Client Info		<b>27 Sep 2023</b>	19 Mar 2023	---
Machine Age	hrs	Client Info	<b>436</b>	323	---
Oil Age	hrs	Client Info	<b>436</b>	323	---
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >150	<b>18</b>	13	---
Chromium	ppm	ASTM D5185(m) >10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)	<b>14</b>	14	---
Silver	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185(m) >5	<b>4</b>	3	---
Lead	ppm	ASTM D5185(m) >65	<b>5</b>	4	---
Copper	ppm	ASTM D5185(m) >80	<b>55</b>	45	---
Tin	ppm	ASTM D5185(m) >8	<b>&lt;1</b>	1	---
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	<1	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<b>87</b>	82	---
Barium	ppm	ASTM D5185(m)	<b>1</b>	1	---
Molybdenum	ppm	ASTM D5185(m)	<b>25</b>	23	---
Manganese	ppm	ASTM D5185(m)	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	<b>619</b>	561	---
Calcium	ppm	ASTM D5185(m)	<b>1647</b>	1659	---
Phosphorus	ppm	ASTM D5185(m)	<b>729</b>	767	---
Zinc	ppm	ASTM D5185(m)	<b>848</b>	812	---
Sulfur	ppm	ASTM D5185(m)	<b>3210</b>	3627	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---

## CONTAMINANTS

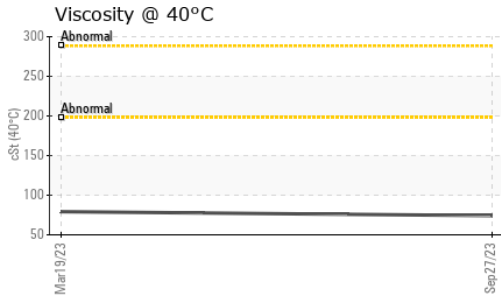
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >20	<b>3</b>	3	---
Sodium	ppm	ASTM D5185(m)	<b>5</b>	5	---
Potassium	ppm	ASTM D5185(m) >20	<b>1</b>	3	---

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	Visual* NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual* NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	Visual* NONE	<b>NONE</b>	NONE	---
Silt	scalar	Visual* NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual* NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	Visual* NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual* NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual* NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual* >0.2	<b>NEG</b>	NEG	---
Free Water	scalar	Visual*	<b>NEG</b>	NEG	---



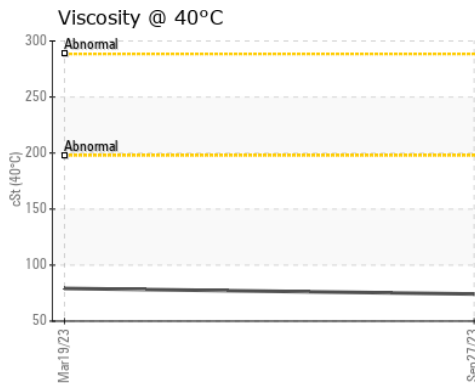
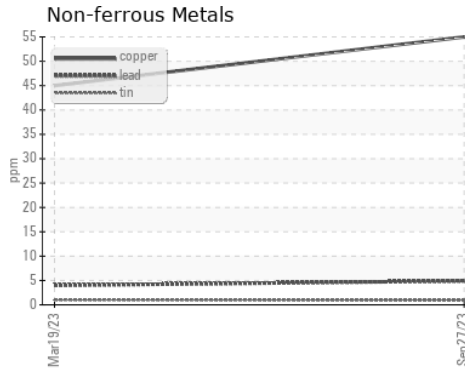
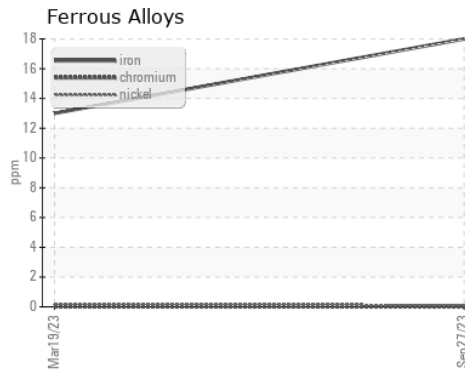
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)		<b>74.2</b>	79.2	---

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

## GRAPHS



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0730364  
**Lab Number** : 02586521  
**Unique Number** : 5655587  
**Test Package** : MAR 1

**CANADIAN COAST GUARD**  
 CCGS CHIGNECTO BAY, 82 BICKERTON EAST  
 PORT BICKERTON, NS  
 CA B0J 1A0  
 Contact: ENGINEER BICKERTON  
 bickertoneng.ccs@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.