



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**EGR-5912 #2 (S/N 106722)**  
 Component  
**Outboard Air Compressor**  
 Fluid  
**SHELL CORENA S2 P 100 (4 LTR)**

## RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.  
 Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

## CONTAMINATION

The water content is negligible. There is no indication of any contamination in the oil.

## FLUID CONDITION

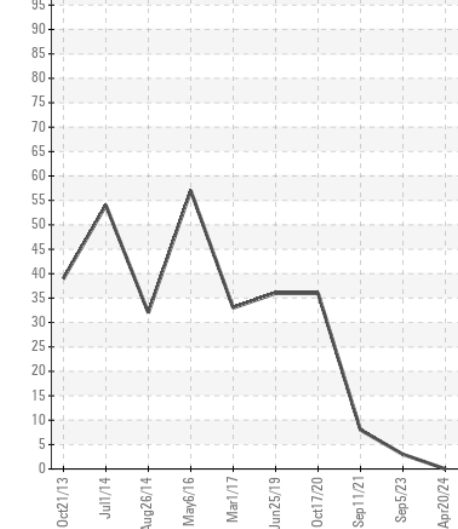
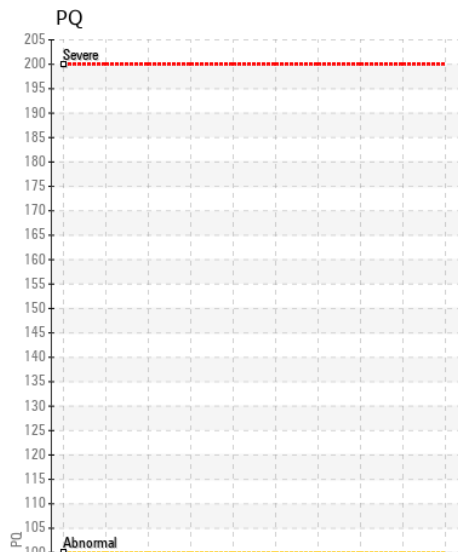
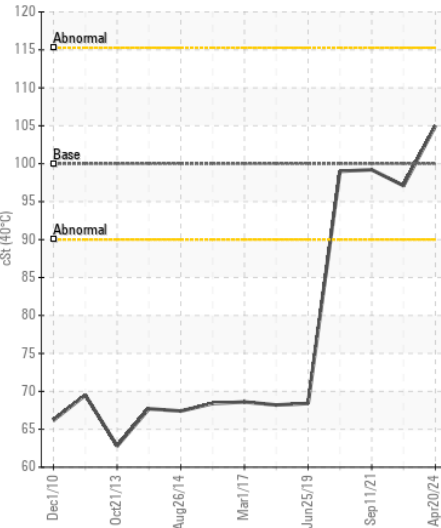
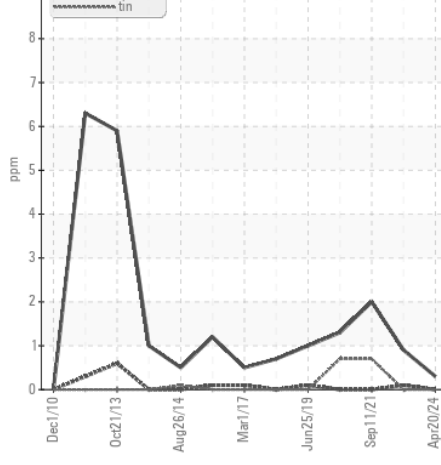
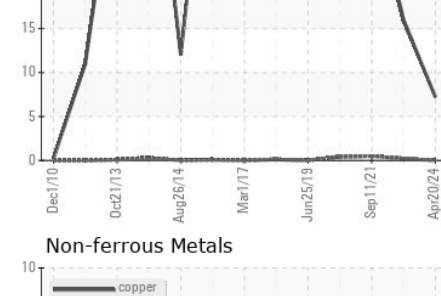
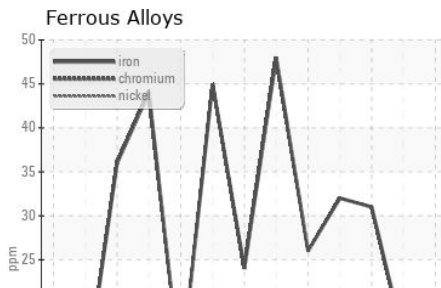
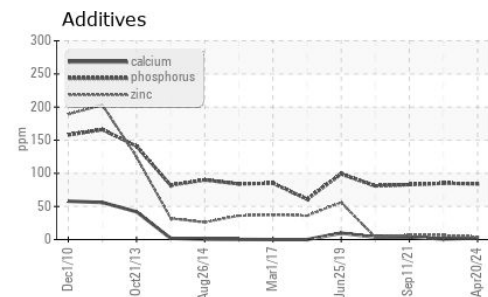
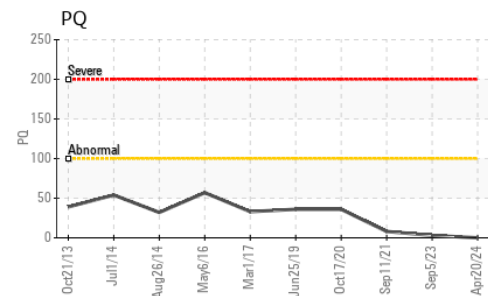
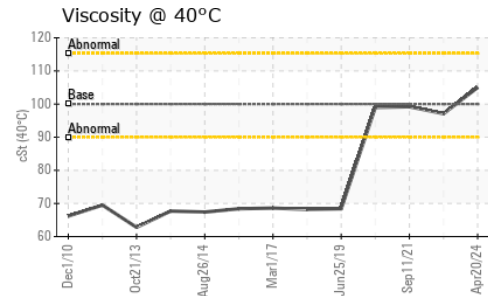
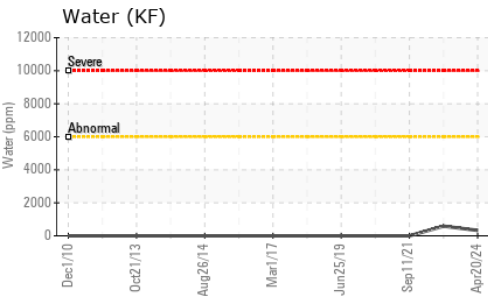
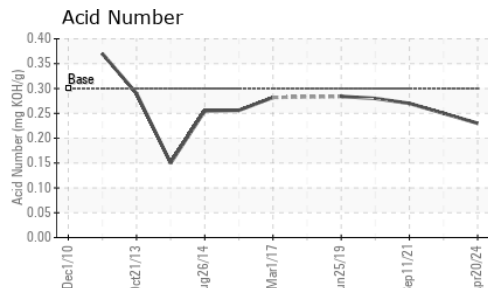
Additive levels indicate the addition of a different brand, or type of oil.  
 The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0827880</b>	WC0827875	WC0619184
Sample Date		Client Info		<b>20 Apr 2024</b>	05 Sep 2023	11 Sep 2021
Machine Age	hrs	Client Info		<b>1760</b>	1510	0
Oil Age	hrs	Client Info		<b>231</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>None</b>	None	None
Sample Status				<b>NORMAL</b>	ATTENTION	ATTENTION

PQ		ASTM D8184*		<b>0</b>	3	8
Iron	ppm	ASTM D5185(m)	>50	<b>7</b>	16	31
Chromium	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>10	<b>1</b>	<1	5
Lead	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	0
Copper	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	2
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185(m)	>25	<b>0</b>	0	<1
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	3
Water	%	ASTM D6304*	>0.6	<b>0.032</b>	0.058	---
ppm Water	ppm	ASTM D6304*	>6000	<b>330</b>	586.9	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.6	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185(m)		<b>2</b>	<1	1
Boron	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	1
Magnesium	ppm	ASTM D5185(m)	0	<b>2</b>	0	<1
Calcium	ppm	ASTM D5185(m)	60	<b>2</b>	● <1	● 4
Phosphorus	ppm	ASTM D5185(m)	160	<b>84</b>	85	83
Zinc	ppm	ASTM D5185(m)	190	<b>4</b>	● 6	● 7
Sulfur	ppm	ASTM D5185(m)	1300	<b>6</b>	● 9	● 62
Acid Number (AN)	mg KOH/g	ASTM D974*	0.3	<b>0.23</b>	0.25	0.27
Visc @ 40°C	cSt	ASTM D7279(m)	100	<b>105</b>	97.1	99.2



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0827880  
**Lab Number** : 02632598  
**Unique Number** : 5773751  
**Test Package** : MAR 2 ( Additional Tests: KF )  
**Received** : 01 May 2024  
**Tested** : 02 May 2024  
**Diagnosed** : 02 May 2024 - Kevin Marson

**DFO, CCGS EARL GREY**  
 PO BOX 1006, 1 CHALLENGER DR.  
 DARTMOUTH, NS  
 CA B2Y 4A2  
 Contact: Chief Engineer  
 earlgreyCE@EGR.ccgcs-ngcc.gc.ca  
 T: (902)456-9285  
 F: (902)456-9285

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.