



# OIL ANALYSIS REPORT

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

Area

**Propulsion/Salle Moteurs de Propulsion**

Machine Id

**12D#0103 Palier Butee Babord (S/N 80987-2)**

Component

**Port Thrust Bearing**

Fluid

**ESSO TERESSTIC ISO 100 (200 LTR)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0811225</b>	WC0751401	PP
Sample Date		Client Info		<b>24 Oct 2023</b>	01 Apr 2023	18 Oct 2022
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>Not Chngd</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>85	<b>2</b>	1	2
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>40	<b>0</b>	0	0
Lead	ppm	ASTM D5185(m)	>60	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>7	<b>&lt;1</b>	0	<1
Tin	ppm	ASTM D5185(m)	>40	<b>2</b>	3	3
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	▲ VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

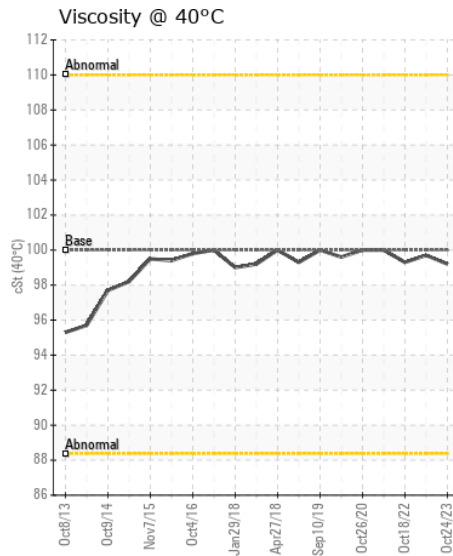
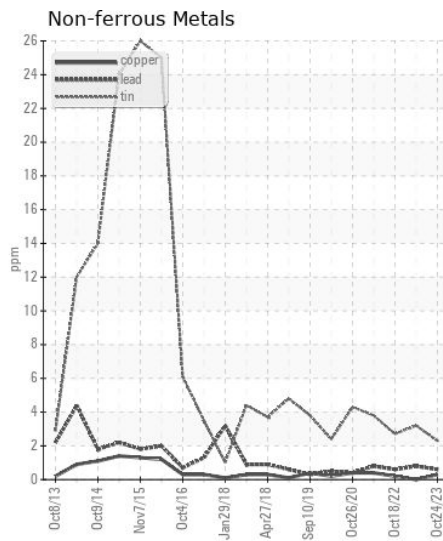
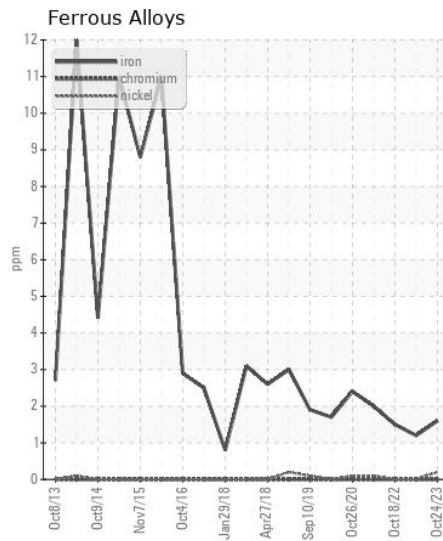
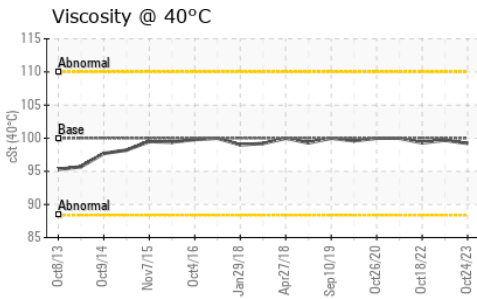
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	0
Water		WC Method	>2	<b>NEG</b>	NEG	NEG
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*	>2	<b>NEG</b>	.2%	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Boron	ppm	ASTM D5185(m)	.2	<b>0</b>	0	0
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	0
Magnesium	ppm	ASTM D5185(m)	1.2	<b>0</b>	0	0
Calcium	ppm	ASTM D5185(m)	.2	<b>&lt;1</b>	0	0
Phosphorus	ppm	ASTM D5185(m)	2.4	<b>4</b>	4	3
Zinc	ppm	ASTM D5185(m)	1.9	<b>&lt;1</b>	<1	<1
Sulfur	ppm	ASTM D5185(m)	2250	<b>43</b>	56	41
Visc @ 40°C	cSt	ASTM D7279(m)	100	<b>99.2</b>	99.7	99.3



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0811225 **Received** : 01 Nov 2023  
**Lab Number** : 02593255 **Tested** : 03 Nov 2023  
**Unique Number** : 5670334 **Diagnosed** : 03 Nov 2023 - Kevin Marson  
**Test Package** : MAR 1 ( Additional Tests: BottomAnalysis, FilterPatch )

**Canadian Coast Guard**  
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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.