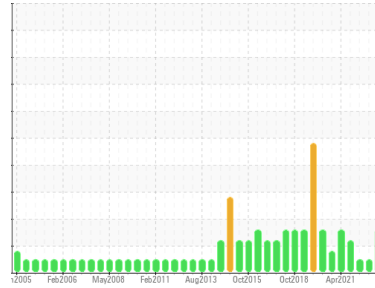




# PROBLEM SUMMARY

## Sample Rating Trend

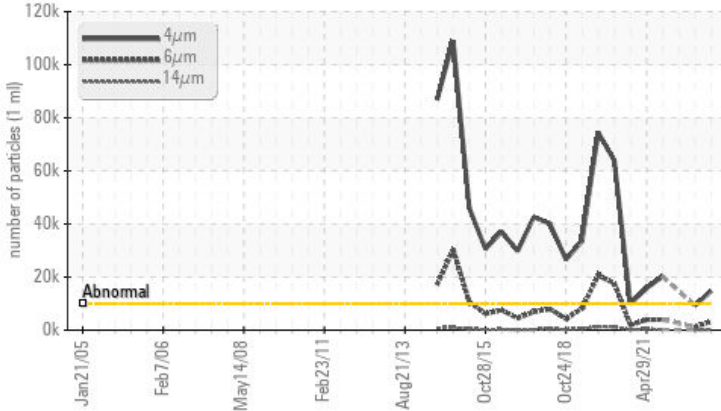
ISO



Area  
**[199043]**  
 Machine Id  
**CAB G1 UGBRTHBR**  
 Component  
**Bearing**  
 Fluid  
**ESSO TERESSO ISO 68 (159 LTR)**

## COMPONENT CONDITION SUMMARY

### ▲ Particle Trend



## RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION	NORMAL	NORMAL
Particles >4µm	ASTM D7647	>10000	▲ <b>14772</b>	9199	---
Particles >6µm	ASTM D7647	>2500	▲ <b>3160</b>	1164	---
Particles >14µm	ASTM D7647	>160	▲ <b>173</b>	46	---
Oil Cleanliness	ISO 4406 (c)	>20/18/14	▲ <b>21/19/15</b>	20/17/13	---

Customer Id: NEWSTJ  
 Sample No.: WC0455581  
 Lab Number: 02563186  
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Kevin Marson +1 (289)291-4644 x4644  
[Kevin.Marson@wearcheck.com](mailto:Kevin.Marson@wearcheck.com)

To change component or sample information:  
 Gloria Gonzalez +1 (289)291-4643 x4643  
[gloria.gonzalez@wearcheck.com](mailto:gloria.gonzalez@wearcheck.com)

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component.

HISTORICAL DIAGNOSIS

05 Oct 2022 Diag: Kevin Marson

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



26 May 2022 Diag: Kevin Marson

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



26 Nov 2021 Diag: Kevin Marson

ISO



We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. Particles >4µm are abnormally high. Particles >6µm are notably high. Particles >14µm are notably high. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

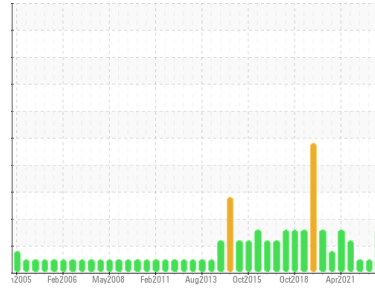
view report





# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area  
**[199043]**  
 Machine Id  
**CAB G1 UGBRTHBR**  
 Component  
**Bearing**  
 Fluid  
**ESSO TERESSO ISO 68 (159 LTR)**

## DIAGNOSIS

### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is a light amount of silt (particulates < 14 microns in size) present in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0455581</b>	WC0455747	WC0445377
Sample Date	Client Info		<b>04 May 2023</b>	05 Oct 2022	26 May 2022
Machine Age	hrs	Client Info	<b>244</b>	244	244
Oil Age	hrs	Client Info	<b>244</b>	244	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>ATTENTION</b>	NORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>2	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>0</b>	0	0
Iron	ppm	ASTM D5185(m) >63	<b>&lt;1</b>	<1	<1
Chromium	ppm	ASTM D5185(m) >20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m) >20	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m) >2	<b>0</b>	0	0
Lead	ppm	ASTM D5185(m) >161	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m) >13	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m) >27	<b>8</b>	7	8
Antimony	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)	<b>1</b>	1	<1

## ADDITIVES

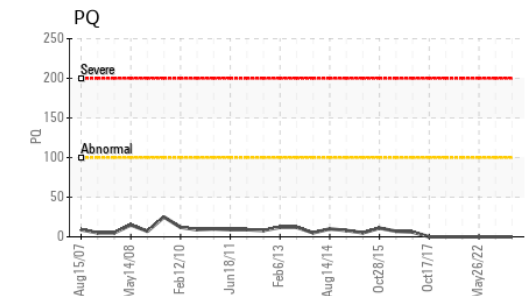
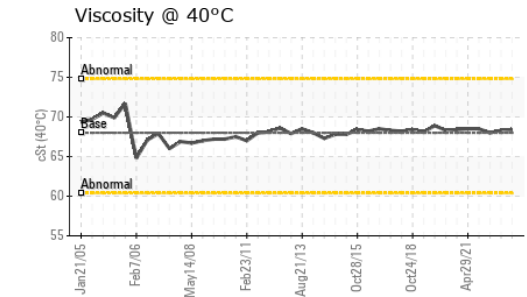
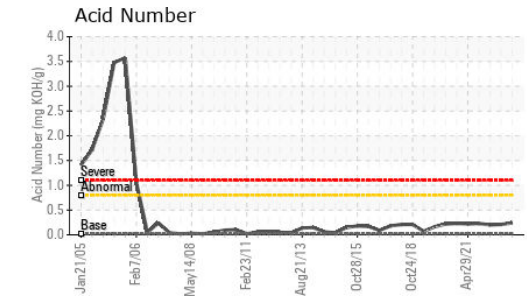
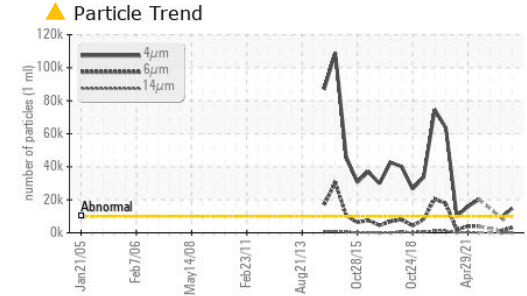
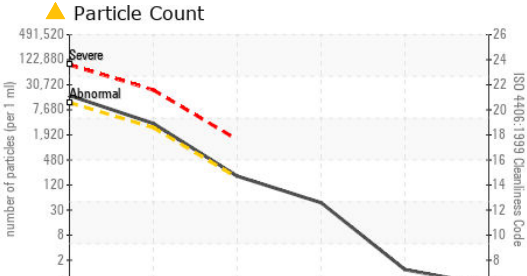
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 4.5	<b>&lt;1</b>	<1	0
Barium	ppm	ASTM D5185(m) 0.4	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m) 0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m) 0	<b>0</b>	0	0
Calcium	ppm	ASTM D5185(m) 0	<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185(m) 0.7	<b>10</b>	9	10
Zinc	ppm	ASTM D5185(m) 0	<b>2</b>	3	3
Sulfur	ppm	ASTM D5185(m) 1315	<b>1923</b>	1854	1897
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >12	<b>5</b>	5	5
Sodium	ppm	ASTM D5185(m)	<b>&lt;1</b>	1	<1
Potassium	ppm	ASTM D5185(m) >20	<b>1</b>	<1	<1



# OIL ANALYSIS REPORT



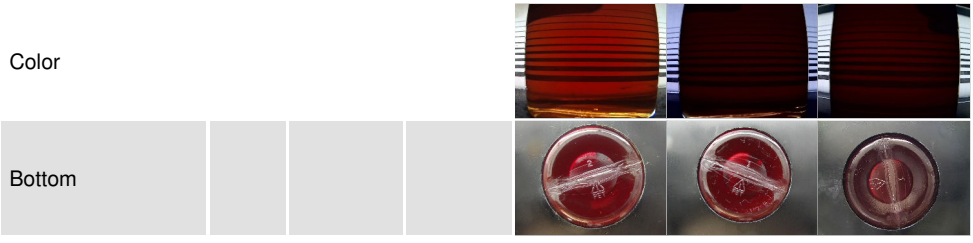
FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	▲ 14772	9199	---
Particles >6µm	ASTM D7647	>2500	▲ 3160	1164	---
Particles >14µm	ASTM D7647	>160	▲ 173	46	---
Particles >21µm	ASTM D7647	>40	40	11	---
Particles >38µm	ASTM D7647	>10	1	1	---
Particles >71µm	ASTM D7647	>3	0	0	---
Oil Cleanliness	ISO 4406 (c)	>20/18/14	▲ 21/19/15	20/17/13	---

FLUID DEGRADATION	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D974*	0.02	0.24	0.21	0.20

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*	>2	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	68	68.4	68.3	68.0

### SAMPLE IMAGES



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0455581 **Received** : 09 Jun 2023  
**Lab Number** : 02563186 **Diagnosed** : 13 Jun 2023  
**Unique Number** : 5592227 **Diagnostician** : Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: PrtCount, TAN Man )

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.

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