

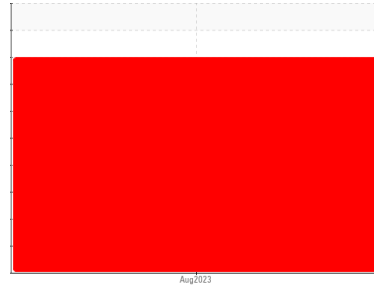
# PROBLEM SUMMARY

Sample Rating Trend

**WATER**

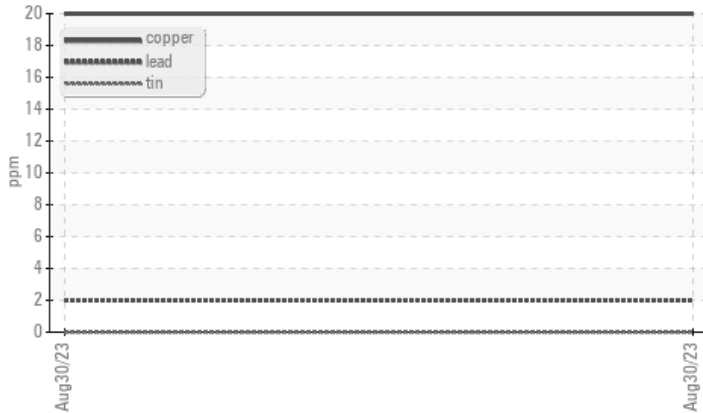


Area  
**Vari-Form Manufacturing**  
 Machine Id  
**AM893**  
 Component  
**Hydraulic System**  
 Fluid  
**NOT GIVEN (--- GAL)**



## COMPONENT CONDITION SUMMARY

### ▲ Non-ferrous Metals



### ▲ Ferrous Alloys



## RECOMMENDATION

This is a baseline read-out on the submitted sample. Some tests could not be conducted due to the high level of water and silt present in the sample.

## PROBLEMATIC TEST RESULTS

Sample Status	SEVERE	---	---
Iron ppm ASTM D5185(m) >20	▲ 61	---	---
Copper ppm ASTM D5185(m) >20	▲ 20	---	---
Silt scalar Visual* NONE	▲ HEAVY	---	---
Appearance scalar Visual* NORML	▲ LAYRD	---	---
Emulsified Water scalar Visual* >0.05	▲ .2%	---	---
Free Water scalar Visual*	● >10%	---	---

Customer Id: CHECOB  
 Sample No.: E30000202  
 Lab Number: 02580149  
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Tatiana Sorkina +1 (800)263-3939  
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 Gloria Gonzalez +1 (289)291-4643 x4643  
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RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend

WATER



Area  
**Vari-Form Manufacturing**  
 Machine Id  
**AM893**  
 Component  
**Hydraulic System**  
 Fluid  
**NOT GIVEN (--- GAL)**



## DIAGNOSIS

### Recommendation

This is a baseline read-out on the submitted sample. Some tests could not be conducted due to the high level of water and silt present in the sample.

### Wear

Copper and iron ppm levels are noted.

### Contamination

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

### Fluid Condition

{not applicable}

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>E3000202</b>	---	---
Sample Date	Client Info		<b>30 Aug 2023</b>	---	---
Machine Age	hrs	Client Info	<b>0</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>SEVERE</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >20	<b>▲ 61</b>	---	---
Chromium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185(m) >20	<b>3</b>	---	---
Lead	ppm	ASTM D5185(m) >20	<b>2</b>	---	---
Copper	ppm	ASTM D5185(m) >20	<b>▲ 20</b>	---	---
Tin	ppm	ASTM D5185(m) >20	<b>0</b>	---	---
Antimony	ppm	ASTM D5185(m)	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<b>5</b>	---	---
Barium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	<b>1</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>1</b>	---	---
Magnesium	ppm	ASTM D5185(m)	<b>16</b>	---	---
Calcium	ppm	ASTM D5185(m)	<b>300</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	<b>476</b>	---	---
Zinc	ppm	ASTM D5185(m)	<b>1557</b>	---	---
Sulfur	ppm	ASTM D5185(m)	<b>663</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

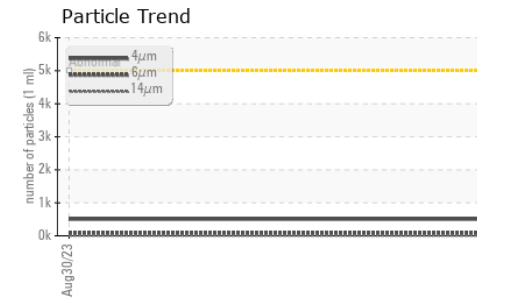
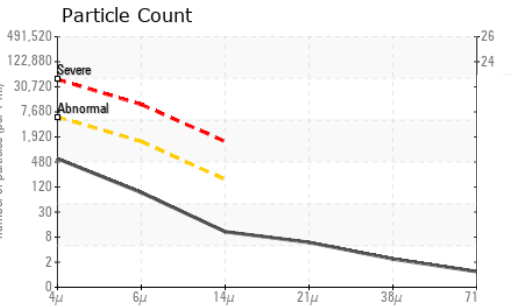
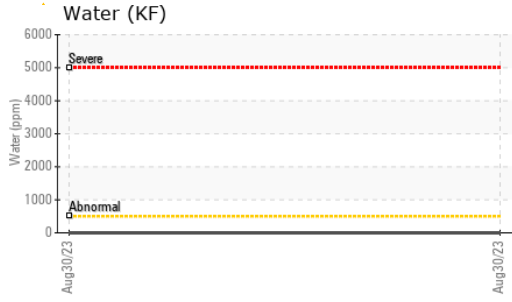
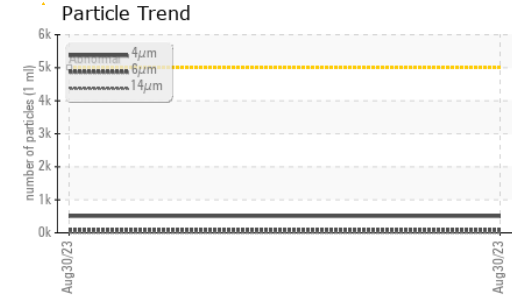
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	<b>1</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>2</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>2</b>	---	---

## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	<b>506</b>	---	---
Particles >6µm	ASTM D7647	>1300	<b>78</b>	---	---
Particles >14µm	ASTM D7647	>160	<b>9</b>	---	---
Particles >21µm	ASTM D7647	>40	<b>5</b>	---	---
Particles >38µm	ASTM D7647	>10	<b>2</b>	---	---
Particles >71µm	ASTM D7647	>3	<b>1</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>16/13/10</b>	---	---

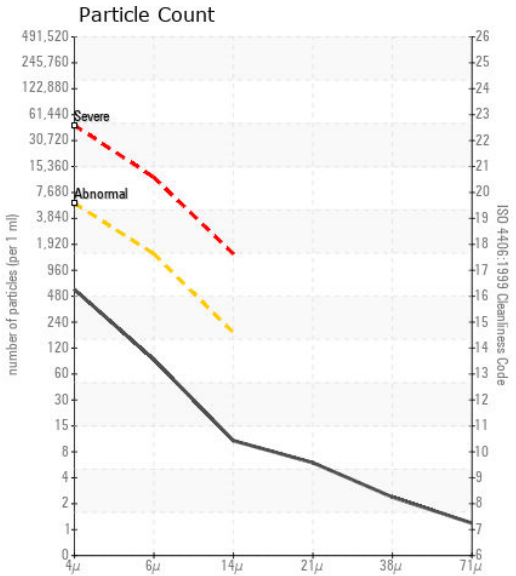
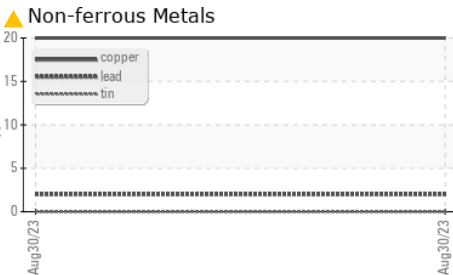
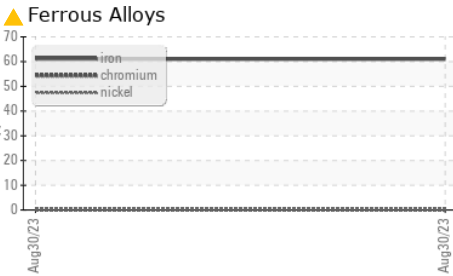
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	▲ HEAVY	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	▲ LAYRD	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.05	▲ .2%	---	---
Free Water	scalar	Visual*		◆ >10%	---	---

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

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : E30000202 **Received** : 01 Sep 2023  
**Lab Number** : 02580149 **Diagnosed** : 11 Oct 2023  
**Unique Number** : 5633209 **Diagnostician** : Tatiana Sorkina  
**Test Package** : IND 2 ( Additional Tests: Bottom, KF, KV100, PQ )

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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.