

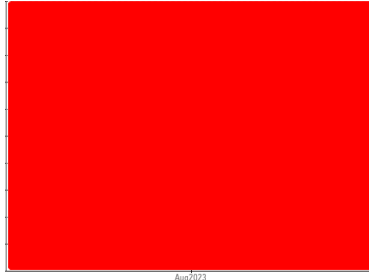
# PROBLEM SUMMARY

Sample Rating Trend

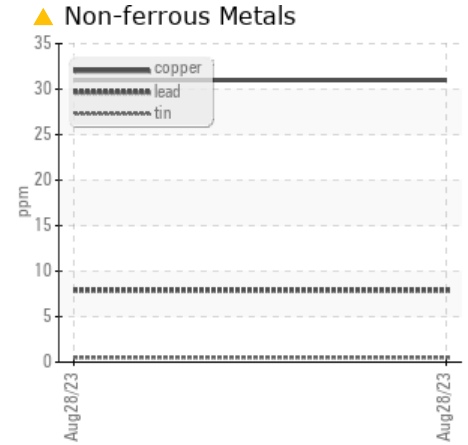
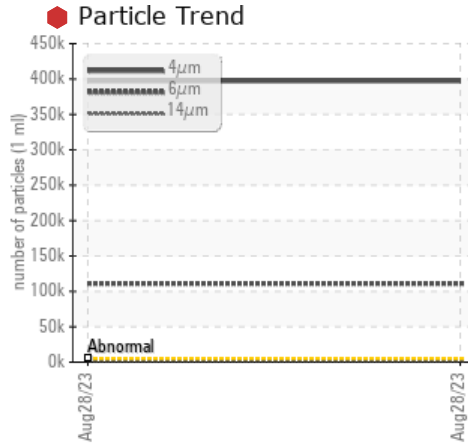
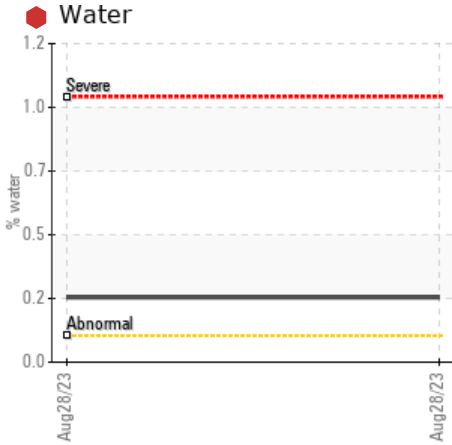
**WATER**



Area  
**Van-Form Manufacturing**  
 Machine Id  
**AM891**  
 Component  
**Unknown Component**  
 Fluid  
**NOT GIVEN (--- GAL)**



## COMPONENT CONDITION SUMMARY



## RECOMMENDATION

This is a baseline read-out on the submitted sample.

## PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	---	---
Copper	ppm	ASTM D5185(m)		▲ 31	---	---
Water	%	ASTM D6304*		▲ 0.244	---	---
ppm Water	ppm	ASTM D6304*		● 2449.1	---	---
Particles >4µm		ASTM D7647	>5000	● 397216	---	---
Particles >6µm		ASTM D7647	>1300	● 110942	---	---
Particles >14µm		ASTM D7647	>160	● 2772	---	---
Particles >21µm		ASTM D7647	>40	● 398	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	● 26/24/19	---	---
Emulsified Water	scalar	Visual*		▲ 1%	---	---
Free Water	scalar	Visual*		▲ 5%	---	---

Customer Id: CHECOB  
 Sample No.: E30000203  
 Lab Number: 02580023  
 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  
[tsorkina@e360s.ca](mailto:tsorkina@e360s.ca)

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

## RECOMMENDED ACTIONS

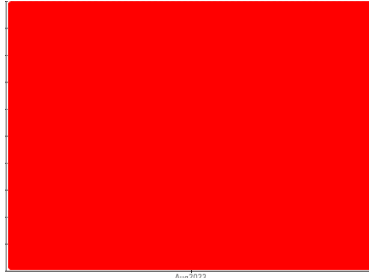
*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS

# OIL ANALYSIS REPORT

Sample Rating Trend

**WATER**



Area  
**Van-Form Manufacturing**  
 Machine Id  
**AM891**  
 Component  
**Unknown Component**  
 Fluid  
**NOT GIVEN (--- GAL)**

## DIAGNOSIS

### Recommendation

This is a baseline read-out on the submitted sample.

### Wear

Copper ppm levels are noted.

### Contamination

Particles >14µm are severely high. Particles >21µm are severely high. Particles >6µm are severely high. Oil Cleanliness are severely high. Particles >4µm are severely high. Water contamination levels are abnormally high. Water contamination levels are abnormally high... ppm Water contamination levels are abnormally high.

### Fluid Condition

{not applicable}

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>E3000203</b>	---	---
Sample Date	Client Info		<b>28 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)	<b>11</b>	---	---
Chromium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185(m)	<b>8</b>	---	---
Copper	ppm	ASTM D5185(m)	<b>31</b>	---	---
Tin	ppm	ASTM D5185(m)	<b>&lt;1</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>1</b>	---	---
Barium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)	<b>2</b>	---	---
Calcium	ppm	ASTM D5185(m)	<b>28</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	<b>341</b>	---	---
Zinc	ppm	ASTM D5185(m)	<b>510</b>	---	---
Sulfur	ppm	ASTM D5185(m)	<b>736</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

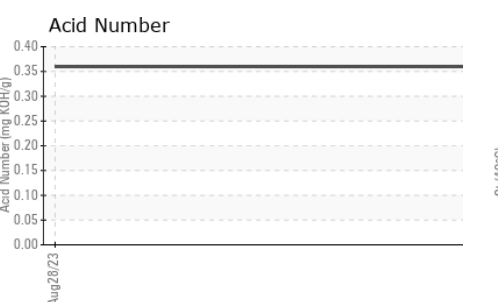
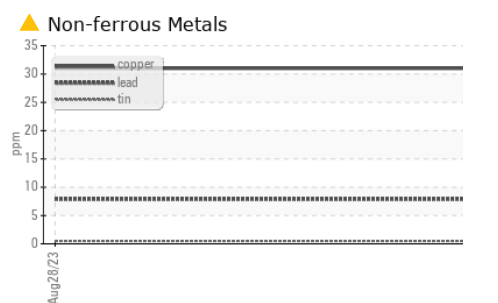
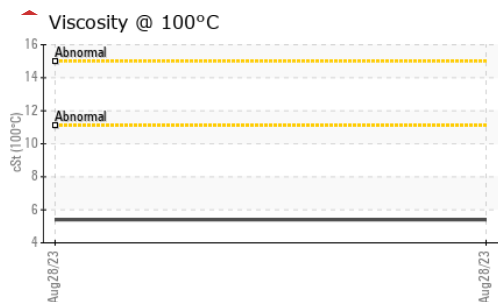
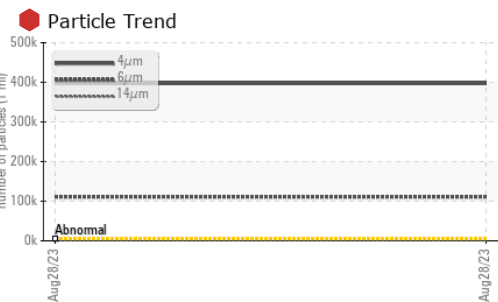
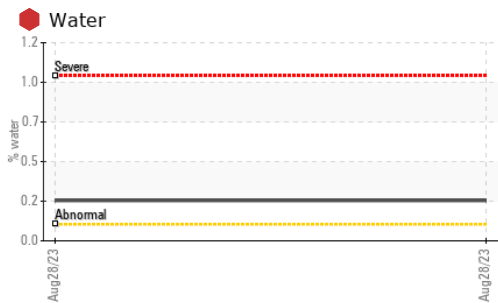
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<b>3</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Potassium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Water	%	ASTM D6304*	<b>0.244</b>	---	---
ppm Water	ppm	ASTM D6304*	<b>2449.1</b>	---	---

## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	<b>397216</b>	---	---
Particles >6µm	ASTM D7647	>1300	<b>110942</b>	---	---
Particles >14µm	ASTM D7647	>160	<b>2772</b>	---	---
Particles >21µm	ASTM D7647	>40	<b>398</b>	---	---
Particles >38µm	ASTM D7647	>10	<b>1</b>	---	---
Particles >71µm	ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>26/24/19</b>	---	---

# OIL ANALYSIS REPORT

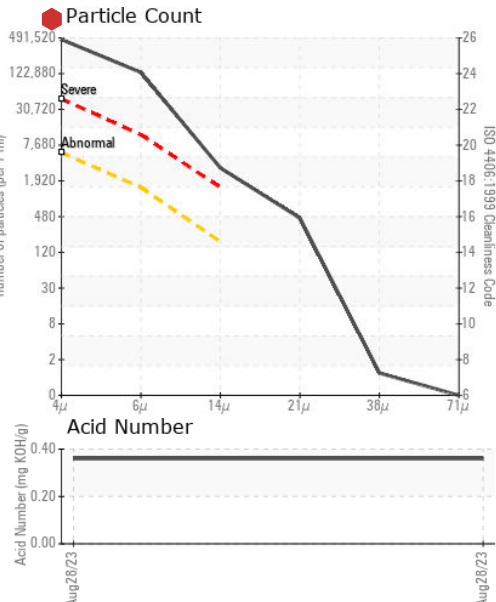
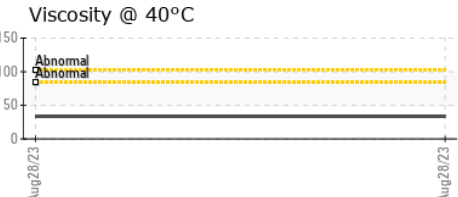
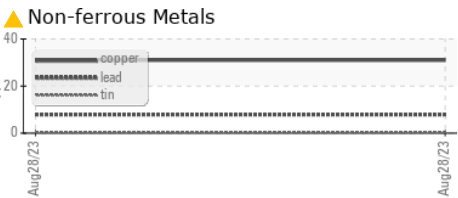
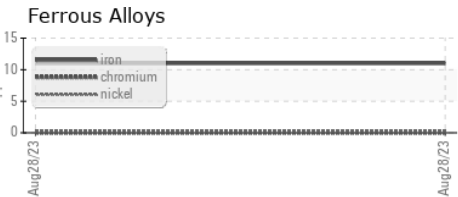


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>0.36</b>	---	---
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	---	---
Silt	scalar	Visual*	NONE	<b>VLITE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>WGOIL</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	Visual*		▲ <b>1%</b>	---	---
Free Water	scalar	Visual*		▲ <b>5%</b>	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)		<b>33.7</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		<b>5.4</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		<b>91</b>	---	---

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.** : E30000203 **Received** : 01 Sep 2023  
**Lab Number** : **02580023** **Diagnosed** : 07 Sep 2023  
**Unique Number** : 5633083 **Diagnostician** : Tatiana Sorkina  
**Test Package** : IND 2 ( Additional Tests: KF, KV100, PrtCount, VI )

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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.