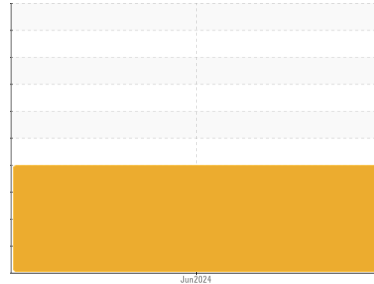




# PROBLEM SUMMARY

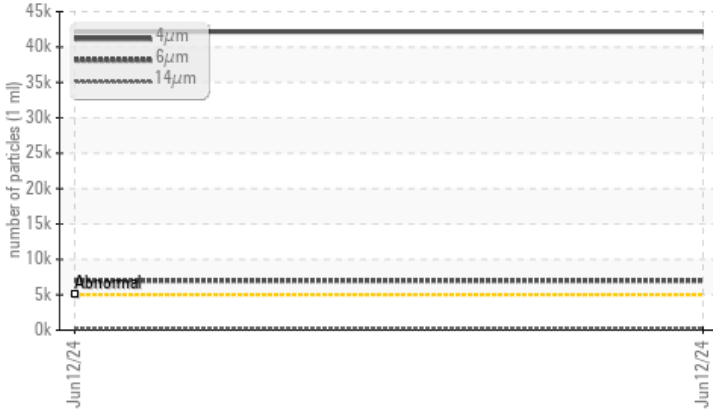
Area  
**Flex N Gate - F00700**  
 Machine Id  
**RB022**  
 Component  
**Gear Unit**  
 Fluid  
**A1 300 AW (--- GAL)**

## Sample Rating Trend



## COMPONENT CONDITION SUMMARY

### ▲ Particle Trend



## RECOMMENDATION

The sample submitted is 16 times dirtier than the ISO dirt count recommendation of 19/16/14.

## PROBLEMATIC TEST RESULTS

Sample Status			<b>SEVERE</b>	---	---
Particles >4µm	ASTM D7647	>5000	▲ <b>42160</b>	---	---
Particles >6µm	ASTM D7647	>640	▲ <b>7001</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>19/16/14	▲ <b>23/20/15</b>	---	---

**Customer Id:** CHECOB  
**Sample No.:** E30002416  
**Lab Number:** 02642955  
**Test Package:** IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:

Aylwin Lee +1 (905)372-2251  
[aylwinlee@e360s.ca](mailto:aylwinlee@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

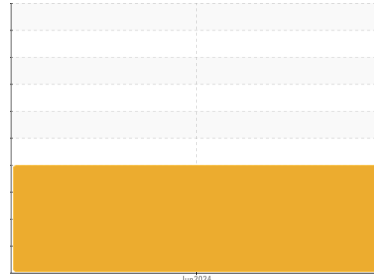
*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area

**Flex N Gate - F00700**

Machine Id

**RB022**

Component

**Gear Unit**

Fluid

**A1 300 AW (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

The sample submitted is 16 times dirtier than the ISO dirt count recommendation of 19/16/14.

### ▲ Contamination

Particles >6µm are severely high. Particles >4µm are severely high. Oil Cleanliness are severely high. Particles >14µm are notably high.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Machine ID	Client Info		<b>1000T Uncoiler</b>	---	---
Department	Client Info		<b>Sales</b>	---	---
Sample From	Client Info		<b>Machine</b>	---	---
Production Stage	Client Info		<b>Initial</b>	---	---
Sent to WC	Client Info		<b>06/17/2024</b>	---	---
Sample Number	Client Info		<b>E30002416</b>	---	---
Sample Date	Client Info		<b>12 Jun 2024</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) >150	<b>2</b>	---	---
Chromium	ppm	ASTM D5185(m) >10	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m) >10	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m) >25	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185(m) >100	<b>0</b>	---	---
Copper	ppm	ASTM D5185(m) >50	<b>2</b>	---	---
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	---	---
Antimony	ppm	ASTM D5185(m) >5	<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>	---	---

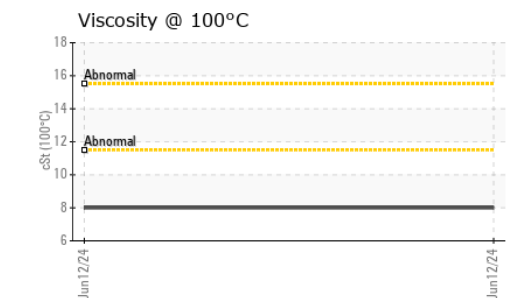
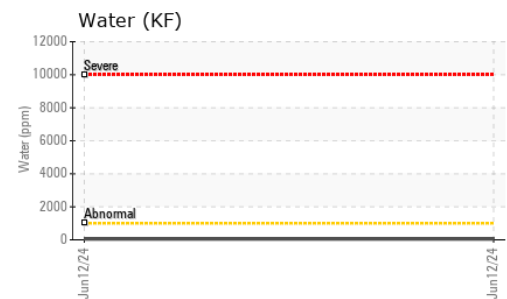
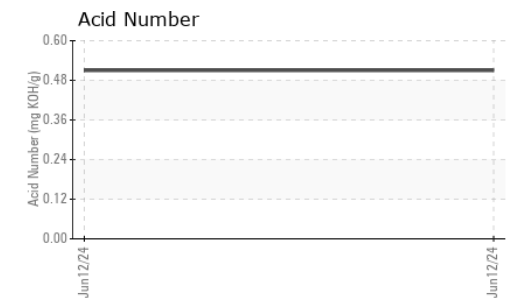
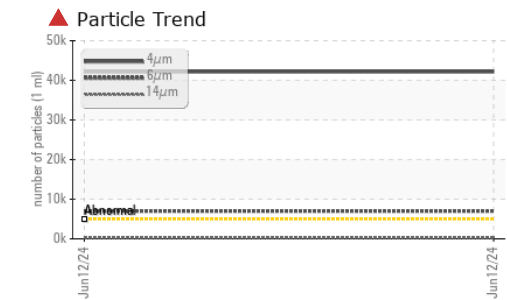
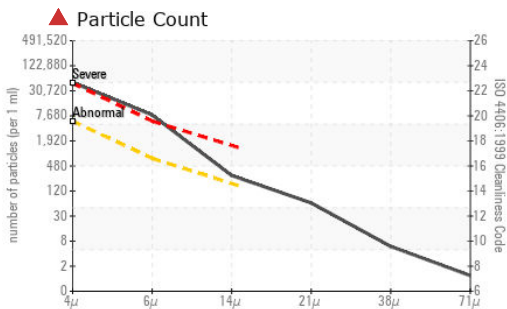
## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<b>&lt;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>&lt;1</b>	---	---
Calcium	ppm	ASTM D5185(m)	<b>50</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	<b>365</b>	---	---
Zinc	ppm	ASTM D5185(m)	<b>444</b>	---	---
Sulfur	ppm	ASTM D5185(m)	<b>1561</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	<b>0</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---	---
Water	%	ASTM D6304* >0.1	<b>0.004</b>	---	---
ppm Water	ppm	ASTM D6304* >1000	<b>48</b>	---	---

# OIL ANALYSIS REPORT



FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	▲ 42160	---	---
Particles >6µm	ASTM D7647	>640	▲ 7001	---	---
Particles >14µm	ASTM D7647	>160	● 249	---	---
Particles >21µm	ASTM D7647	>40	55	---	---
Particles >38µm	ASTM D7647	>10	5	---	---
Particles >71µm	ASTM D7647	>3	1	---	---
Oil Cleanliness	ISO 4406 (c)	>19/16/14	▲ 23/20/15	---	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.51	---	---

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	NONE	---	---
Debris	scalar	Visual*	NONE	LIGHT	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	57.3	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	8.0	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	106	---	---

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



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : E30002416  
**Lab Number** : 02642955  
**Unique Number** : 5800494  
**Test Package** : IND 2 ( Additional Tests: KF, KV100, PrtCount, VI )

**Environmental 360 Solutions Ltd.**  
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 CA K9A 5H5  
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 tsorkina@e360s.ca  
 T: (800)263-3939  
 F: (905)373-4950

To discuss this sample report, contact Customer Service at 1-905-372-2251.  
 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.