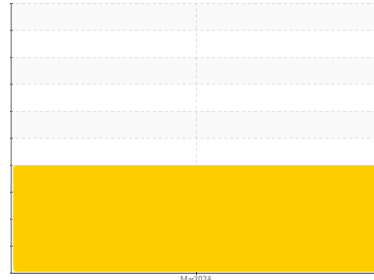




# OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Area  
**Goodyear - G04000**  
 Machine Id  
**A2403116**  
 Component  
**Hydraulic System**  
 Fluid  
**AW HYDRAULIC OIL ISO 68 (--- LTR)**

## DIAGNOSIS

- Wear**  
Copper, iron and lead ppm levels are noted.
- Contamination**  
Silicon ppm levels are notably high.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Batch #	Client Info			<b>2024 03 0370</b>	---	---
Department	Client Info			<b>Production</b>	---	---
Sample From	Client Info			<b>Machine</b>	---	---
Production Stage	Client Info			<b>Initial</b>	---	---
Sent to WC	Client Info			<b>03/18/2024</b>	---	---
Sample Number	Client Info			<b>E30001701</b>	---	---
Sample Date	Client Info			<b>15 Mar 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>ATTENTION</b>	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.05	<b>NEG</b>	---	---

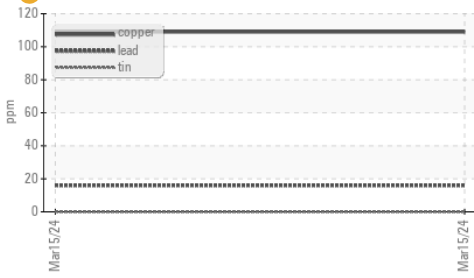
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	<b>47</b>	---	---
Chromium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m)	>10	<b>1</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>10	<b>4</b>	---	---
Lead	ppm	ASTM D5185(m)	>20	<b>16</b>	---	---
Copper	ppm	ASTM D5185(m)	>20	<b>109</b>	---	---
Tin	ppm	ASTM D5185(m)	>10	<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>&lt;1</b>	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	5	<b>3</b>	---	---
Barium	ppm	ASTM D5185(m)	5	<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	5	<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)	25	<b>6</b>	---	---
Calcium	ppm	ASTM D5185(m)	200	<b>43</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	300	<b>654</b>	---	---
Zinc	ppm	ASTM D5185(m)	370	<b>490</b>	---	---
Sulfur	ppm	ASTM D5185(m)	2500	<b>2071</b>	---	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---

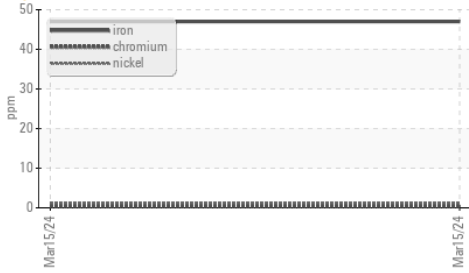
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	<b>12</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---

# OIL ANALYSIS REPORT

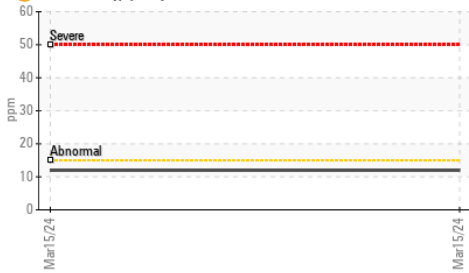
### ● Non-ferrous Metals



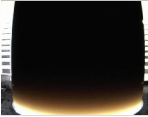

### ● Ferrous Alloys



### ● Silicon (ppm)



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>NONE</b>	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---
Odor	scalar	Visual*	NORML	<b>NORML</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.** : E30001701 **Received** : 20 Mar 2024  
**Lab Number** : **02623586** **Tested** : 20 Mar 2024  
**Unique Number** : 5748705 **Diagnosed** : 22 Mar 2024 - Tatiana Sorkina  
**Test Package** : TEST ( Additional Tests: ICP )

**Environmental 360 Solutions Ltd.**  
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 Cobourg, ON  
 CA K9A 5H5  
 Contact: Jake Debruyn  
 jdebruy@e360s.ca  
 T:  
 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.