



# OIL ANALYSIS REPORT

Sample Rating Trend



**WATER**



Area  
**Goodyear - G04000**  
 Machine Id  
**A2401026**

Component  
**Hydraulic System**  
 Fluid  
**AW HYDRAULIC OIL ISO 68 (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

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

### Wear

Copper, iron and lead ppm levels are noted.

### ▲ Contamination

Water and ppm water contamination levels are abnormal. Silicon ppm levels are notably high.

### Fluid Condition

{not applicable}

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Batch #	Client Info		<b>2024 01 0010</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>01/04/2024</b>	---	---
Sample Number	Client Info		<b>E30001103</b>	---	---
Sample Date	Client Info		<b>03 Jan 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>ABNORMAL</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >20	<b>40</b>	---	---
Chromium	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m) >10	<b>2</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185(m) >10	<b>6</b>	---	---
Lead	ppm	ASTM D5185(m) >20	<b>17</b>	---	---
Copper	ppm	ASTM D5185(m) >20	<b>122</b>	---	---
Tin	ppm	ASTM D5185(m) >10	<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>	---	---

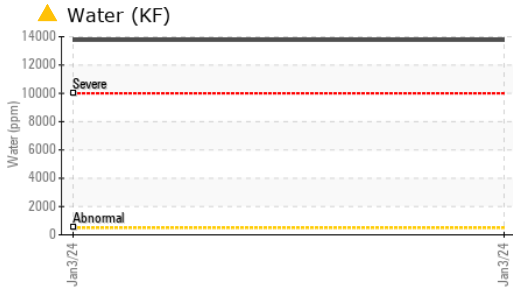
## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 5	<b>2</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>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185(m) 25	<b>14</b>	---	---
Calcium	ppm	ASTM D5185(m) 200	<b>54</b>	---	---
Phosphorus	ppm	ASTM D5185(m) 300	<b>670</b>	---	---
Zinc	ppm	ASTM D5185(m) 370	<b>548</b>	---	---
Sulfur	ppm	ASTM D5185(m) 2500	<b>2396</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---



## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	<b>13</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>1</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---	---
Water	%	ASTM D6304* >0.05	<b>▲ 1.375</b>	---	---
ppm Water	ppm	ASTM D6304* >500	<b>▲ 13757</b>	---	---

# OIL ANALYSIS REPORT



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>MILKY</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.** : E30001103      **Recieved** : 08 Jan 2024  
**Lab Number** : **02607340**      **Diagnosed** : 11 Jan 2024  
**Unique Number** : 5708426      **Diagnostician** : Tatiana Sorkina  
**Test Package** : TEST ( Additional Tests: ICP, KF )

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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.