



# OIL ANALYSIS REPORT

Sample Rating Trend

**WATER**



Area  
**Crown Metal - C02400**  
 Machine Id  
**A2401051**  
 Component  
**Hydraulic System**  
 Fluid  
**{not provided} (--- GAL)**



## DIAGNOSIS

- ◆ **Recommendation**  
This is a baseline read-out on the submitted sample.
- ▲ **Wear**  
Aluminum, copper and lead ppm levels are noted.
- ◆ **Contamination**  
Water and ppm water contamination levels are severe. Silicon ppm levels are notably high.
- ▲ **Fluid Condition**  
Sodium ppm levels are notably high.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Batch #	Client Info		<b>2024 01 0100</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>01/08/2024</b>	---	---
Sample Number	Client Info		<b>E30001126</b>	---	---
Sample Date	Client Info		<b>08 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>SEVERE</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >20	<b>5</b>	---	---
Chromium	ppm	ASTM D5185(m) >10	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m) >10	<span style="color: green;">▲</span> <b>54</b>	---	---
Lead	ppm	ASTM D5185(m) >20	<span style="color: green;">▲</span> <b>12</b>	---	---
Copper	ppm	ASTM D5185(m) >20	<span style="color: green;">▲</span> <b>13</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>0</b>	---	---

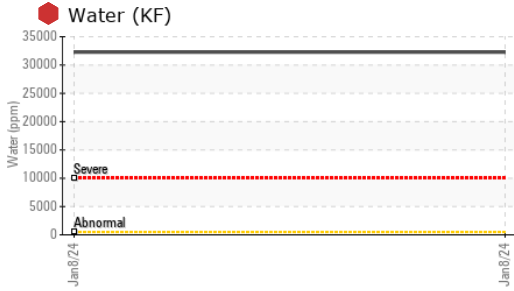
## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<b>2</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>29</b>	---	---
Calcium	ppm	ASTM D5185(m)	<b>52</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	<b>313</b>	---	---
Zinc	ppm	ASTM D5185(m)	<b>213</b>	---	---
Sulfur	ppm	ASTM D5185(m)	<b>1034</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

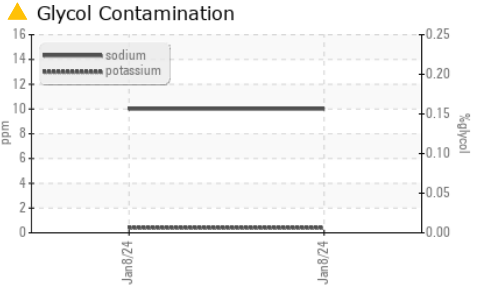
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	<span style="color: green;">▲</span> <b>17</b>	---	---
Sodium	ppm	ASTM D5185(m)	<span style="color: green;">▲</span> <b>10</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---	---
Water	%	ASTM D6304* >0.05	<span style="color: red;">◆</span> <b>3.227</b>	---	---
ppm Water	ppm	ASTM D6304* >500	<span style="color: red;">◆</span> <b>32273</b>	---	---

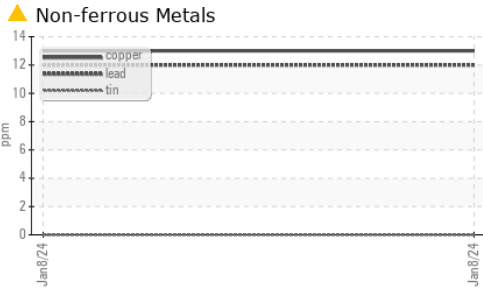
# OIL ANALYSIS REPORT



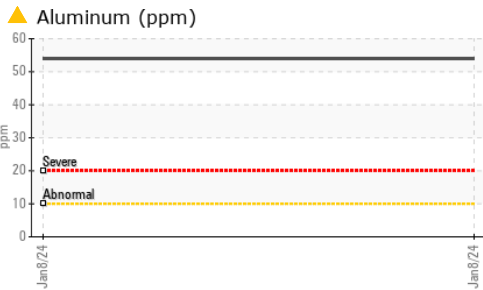
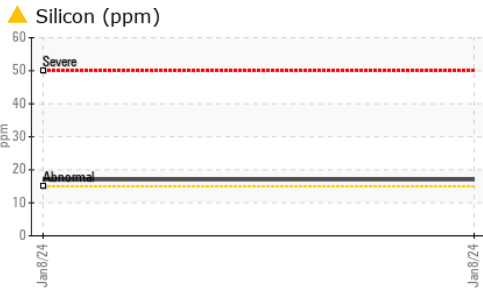
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---
Sand/Dirt	scalar	Visual*	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.** : E30001126 **Recieved** : 10 Jan 2024  
**Lab Number** : **02608019** **Diagnosed** : 11 Jan 2024  
**Unique Number** : 5709105 **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.