



# OIL ANALYSIS REPORT

Sample Rating Trend

COOL CHEMICALS



Area  
**Alcoa Howmet - H01900**  
 Machine Id  
**A2401092**  
 Component  
**Unknown Component**  
 Fluid  
**{not provided} (--- GAL)**



## DIAGNOSIS

- ▲ **Recommendation**  
This is a baseline read-out on the submitted sample.
- Wear**  
{not applicable}
- Contamination**  
{not applicable}
- ▲ **Fluid Condition**  
Sodium ppm levels are notably high.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Batch #	Client Info		<b>2024 01 0230</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>01/18/2024</b>	---	---
Sample Number	Client Info		<b>E30001203</b>	---	---
Sample Date	Client Info		<b>17 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>ATTENTION</b>	---	---

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	<b>6</b>	---	---
Chromium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m)	<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)	<b>1</b>	---	---
Lead	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m)	<b>9</b>	---	---
Tin	ppm	ASTM D5185(m)	<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

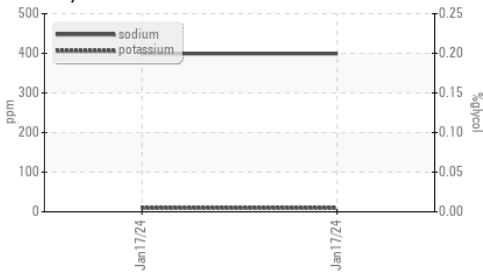
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<b>3</b>	---	---
Barium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)	<b>5</b>	---	---
Calcium	ppm	ASTM D5185(m)	<b>220</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	<b>7</b>	---	---
Zinc	ppm	ASTM D5185(m)	<b>8</b>	---	---
Sulfur	ppm	ASTM D5185(m)	<b>1089</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>2</b>	---	---

## CONTAMINANTS

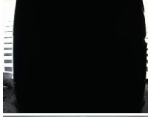

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<b>2</b>	---	---
Sodium	ppm	ASTM D5185(m)	▲ <b>399</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>10</b>	---	---

# OIL ANALYSIS REPORT

▲ Glycol Contamination



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>LIGHT</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.** : E30001203      **Recieved** : 22 Jan 2024  
**Lab Number** : **02610485**      **Diagnosed** : 24 Jan 2024  
**Unique Number** : 5711571      **Diagnostician** : Tatiana Sorkina  
**Test Package** : TEST ( Additional Tests: ICP )

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 Cobourg, ON  
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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.