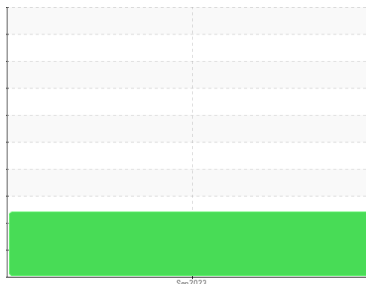




# PROBLEM SUMMARY

Sample Rating Trend



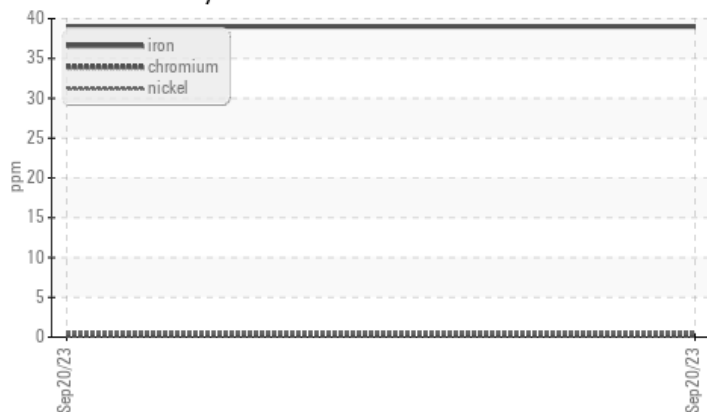
**VISUAL METAL**



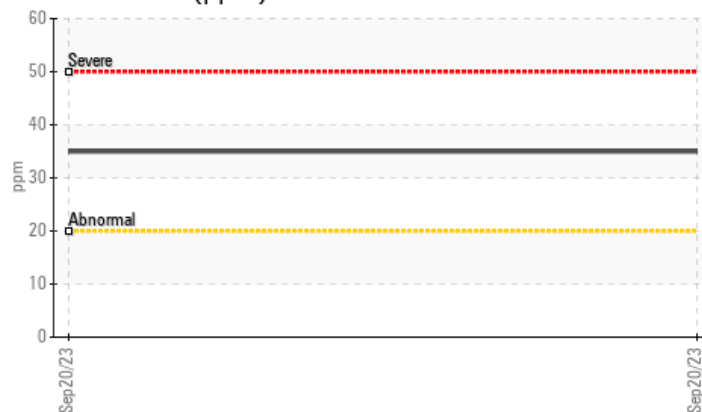
Machine Id  
**1570B**  
 Component  
**1 Hoist**  
 Fluid  
**BELRAY 100 EP GEAR OIL 680 (70 GAL)**

## COMPONENT CONDITION SUMMARY

Ferrous Alloys



Aluminum (ppm)



## RECOMMENDATION

We advise that you check for visible metal particles in the oil. We recommend an early resample to monitor this condition.

## PROBLEMATIC TEST RESULTS

Sample Status	White Metal	Yellow Metal	PrtFilter	Visual*	ABNORMAL	---	---
scalar	scalar			NONE	▲ LIGHT	---	---
scalar				NONE	▲ LIGHT	---	---
						no image	no image

Customer Id: CANESTSK  
 Sample No.: BR0000785  
 Lab Number: 02585962  
 Test Package: IND 1



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Kevin Marson +1 (289)291-4644 x4644  
[Kevin.Marson@wearcheck.com](mailto:Kevin.Marson@wearcheck.com)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check For Visual Metal	---	---	?	We advise that you check for visible metal particles in the oil.

## HISTORICAL DIAGNOSIS

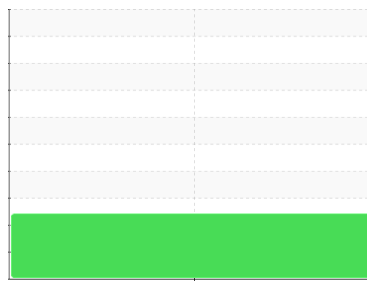


# OIL ANALYSIS REPORT

Sample Rating Trend

**VISUAL METAL**

Machine Id  
**1570B**  
 Component  
**1 Hoist**  
 Fluid  
**BELRAY 100 EP GEAR OIL 680 (70 GAL)**



## DIAGNOSIS

### Recommendation

We advise that you check for visible metal particles in the oil. We recommend an early resample to monitor this condition.

### Wear

Moderate concentration of visible metal present. Bearing and/or bushing wear is indicated. Cylinder wear is indicated.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>BR0000785</b>	---	---
Sample Date	Client Info	<b>20 Sep 2023</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
PQ	ASTM D8184*	<b>111</b>	---	---
Iron	ppm	ASTM D5185(m) >20	<b>39</b>	---
Chromium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---
Nickel	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	---
Silver	ppm	ASTM D5185(m)	<b>&lt;1</b>	---
Aluminum	ppm	ASTM D5185(m) >20	<b>35</b>	---
Lead	ppm	ASTM D5185(m) >20	<b>1</b>	---
Copper	ppm	ASTM D5185(m) >20	<b>7</b>	---
Tin	ppm	ASTM D5185(m) >20	<b>0</b>	---
Antimony	ppm	ASTM D5185(m)	<b>104</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>&lt;1</b>	---
Molybdenum	ppm	ASTM D5185(m)	<b>121</b>	---
Manganese	ppm	ASTM D5185(m)	<b>0</b>	---
Magnesium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---
Calcium	ppm	ASTM D5185(m)	<b>7</b>	---
Phosphorus	ppm	ASTM D5185(m)	<b>767</b>	---
Zinc	ppm	ASTM D5185(m)	<b>6</b>	---
Sulfur	ppm	ASTM D5185(m)	<b>10741</b>	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---

## CONTAMINANTS

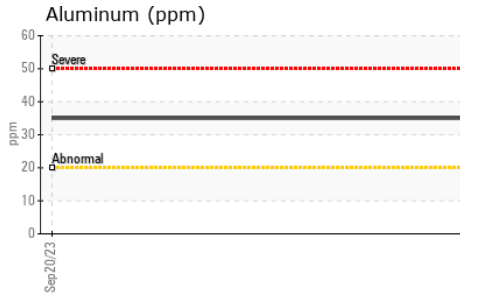
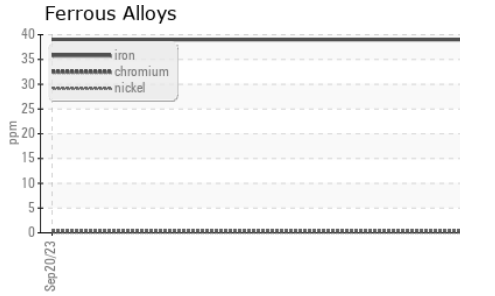
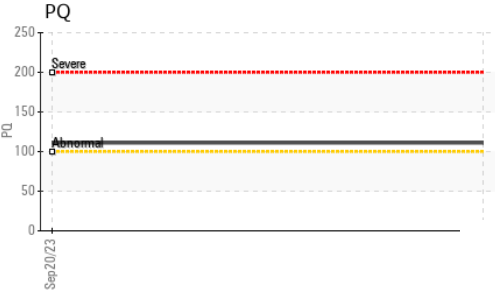
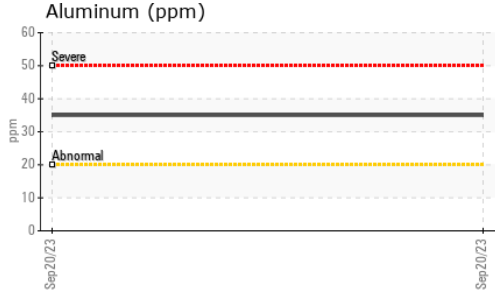
method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	<b>11</b>	---
Sodium	ppm	ASTM D5185(m)	<b>2</b>	---
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---

## VISUAL

method	limit/base	current	history1	history2
White Metal	scalar	Visual* NONE	<b>▲ LIGHT</b>	---
Yellow Metal	scalar	Visual* NONE	<b>▲ LIGHT</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>	---
Emulsified Water	scalar	Visual* >0.05	<b>NEG</b>	---
Free Water	scalar	Visual*	<b>NEG</b>	---



# OIL ANALYSIS REPORT

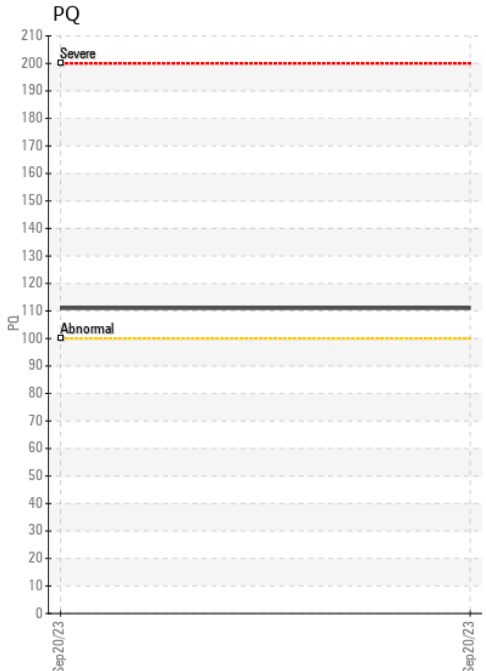
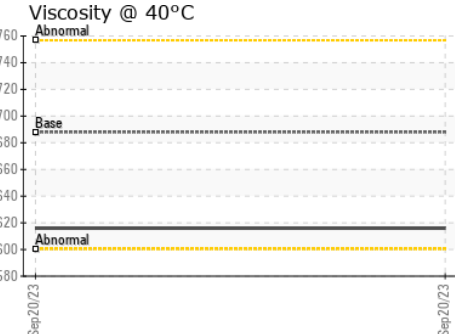
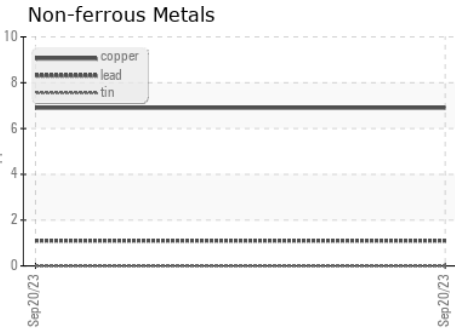
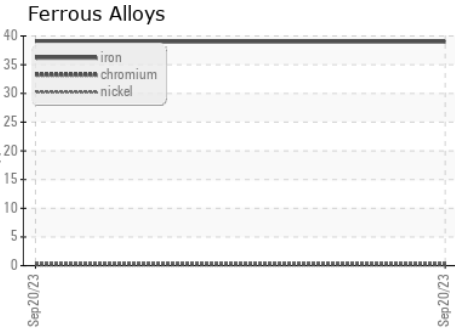


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	688	616	---	---

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

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CAN JER INDUSTRIAL LUBRICANT LTD**  
**Sample No.** : BR0000785 **Received** : 28 Sep 2023 419 MISSISSIPPIAN DRIVE  
**Lab Number** : 02585962 **Diagnosed** : 29 Sep 2023 ESTEVAN, SK  
**Unique Number** : 5655028 **Diagnostician** : Kevin Marson CA S4A 2A4  
**Test Package** : IND 1 ( Additional Tests: Bottom, BottomAnalysis, FilterPatch, PQ ) **Contact:** LANDON LILLEJORD  
llilljrd@canjer.com

To discuss this sample report, contact Customer Service at 1-800-268-2131. T:  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. F:  
 Validity of results and interpretation are based on the sample and information as supplied.