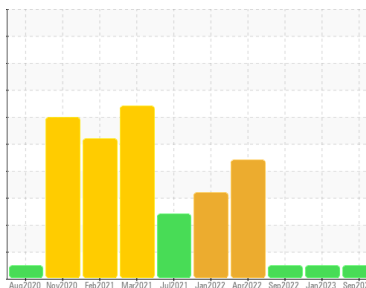




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**9020**  
 Component  
**3 Hoist**  
 Fluid  
**BELRAY 100 EP GEAR OIL 680 (83 GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### 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>BR0000731</b>	BR0000554	BR0000603
Sample Date	Client Info			<b>21 Sep 2023</b>	19 Jan 2023	15 Sep 2022
Machine Age	hrs	Client Info		<b>0</b>	128377	125861
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		<b>52</b>	37	29
Iron	ppm	ASTM D5185(m)	>20	<b>93</b>	61	63
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>20	<b>2</b>	2	2
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>2</b>	3	6
Lead	ppm	ASTM D5185(m)	>20	<b>4</b>	3	4
Copper	ppm	ASTM D5185(m)	>20	<b>104</b>	103	96
Tin	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)		<b>760</b>	923	966
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0

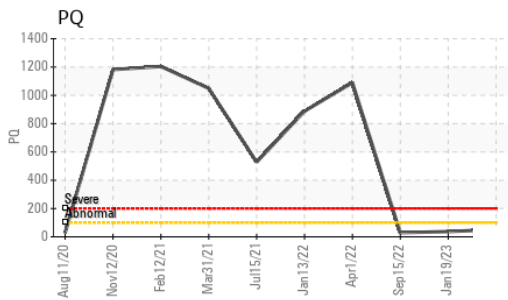
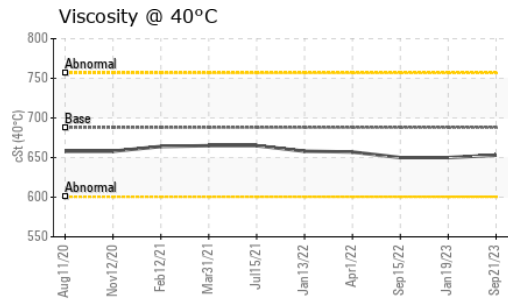
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	1
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>48</b>	49	50
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	1
Magnesium	ppm	ASTM D5185(m)		<b>1</b>	2	2
Calcium	ppm	ASTM D5185(m)		<b>3</b>	1	7
Phosphorus	ppm	ASTM D5185(m)		<b>203</b>	229	232
Zinc	ppm	ASTM D5185(m)		<b>21</b>	21	21
Sulfur	ppm	ASTM D5185(m)		<b>12187</b>	12421	12093
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	<b>18</b>	19	40
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	2
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	1	1

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.05	<b>NEG</b>	NEG	NEG
Free Water	scalar	Visual*		<b>NEG</b>	NEG	NEG



# OIL ANALYSIS REPORT

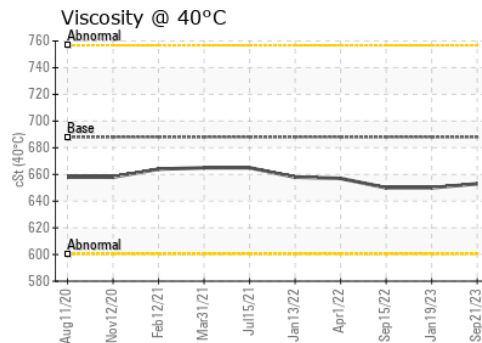
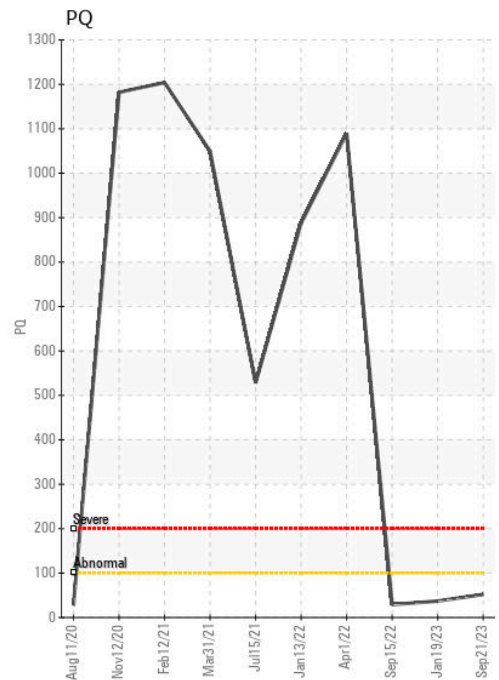
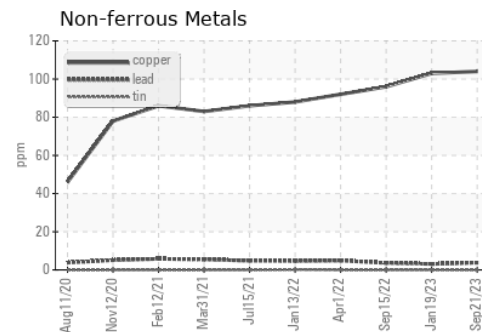
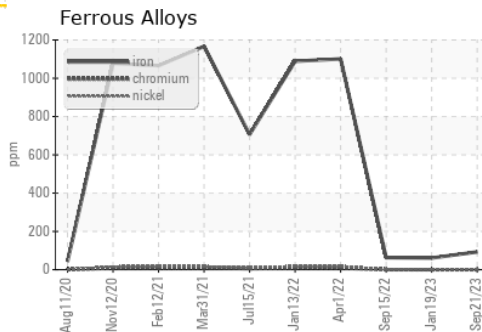


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	688	<b>653</b>	650	650

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

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CAN JER INDUSTRIAL LUBRICANT LTD  
**Sample No.** : BR0000731 **Received** : 06 Oct 2023 419 MISSISSIPPIAN DRIVE  
**Lab Number** : 02587850 **Diagnosed** : 10 Oct 2023 ESTEVAN, SK  
**Unique Number** : 5656916 **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.