



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**BUCYRUS 2570**  
Component  
**3 Swing Drive**  
Fluid  
**BELRAY 100 EP GEAR OIL 680 (1265 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using IND 3 test kits, this testkit includes AN to determine the suitability of the oil for continued use. this testkit includes Particle Count to determine the ISO cleanliness of the fluid. this testkit includes Analytical Ferrography which provides a detailed morphological analysis of wear particles present in the fluid.

## WEAR

Component wear rates appear to be normal (unconfirmed).

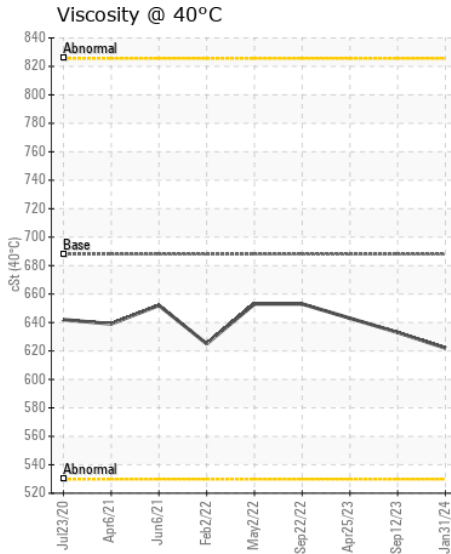
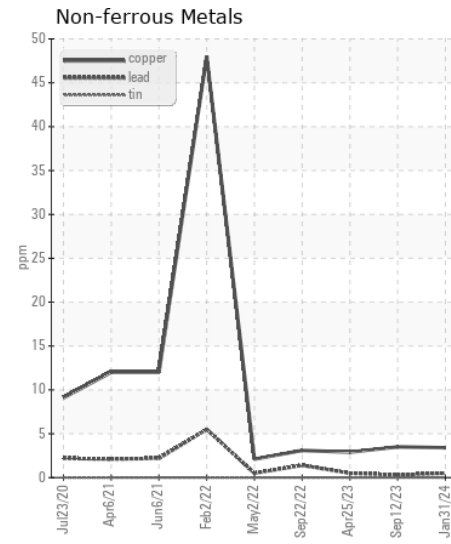
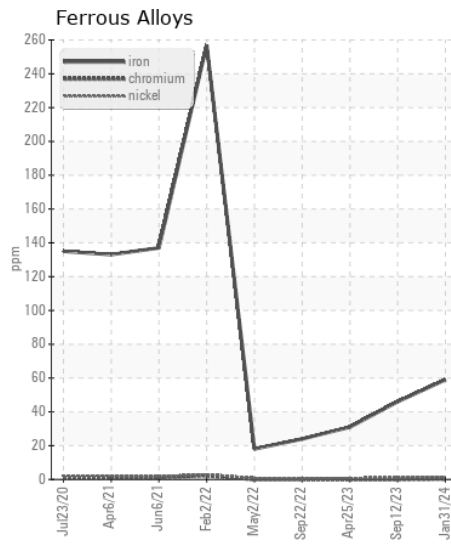
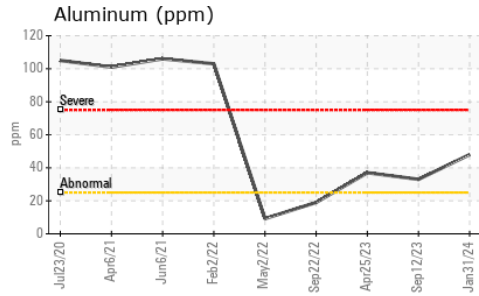
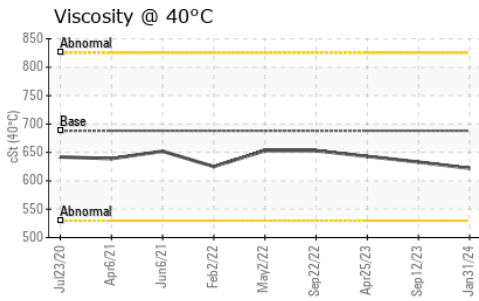
## CONTAMINATION

There is no indication of any contamination in the component(unconfirmed).

## FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>BR0000826</b>	BR0000771	BR0000619
Sample Date		Client Info		<b>31 Jan 2024</b>	12 Sep 2023	25 Apr 2023
Machine Age	hrs	Client Info		<b>275332</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>400	<b>59</b>	46	31
Chromium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185(m)	>10	<b>2</b>	1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>48</b>	33	37
Lead	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>200	<b>3</b>	4	3
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>50	<b>6</b>	5	8
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	<1	0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
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*	>0.2	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185(m)		<b>2</b>	2	2
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Barium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Molybdenum	ppm	ASTM D5185(m)		<b>122</b>	109	134
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Calcium	ppm	ASTM D5185(m)		<b>11</b>	6	14
Phosphorus	ppm	ASTM D5185(m)		<b>693</b>	685	815
Zinc	ppm	ASTM D5185(m)		<b>8</b>	9	9
Sulfur	ppm	ASTM D5185(m)		<b>7971</b>	7733	7783
Visc @ 40°C	cSt	ASTM D7279(m)	688	<b>622</b>	633	643



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : BR0000826  
**Lab Number** : 02619069  
**Unique Number** : 5736179  
**Test Package** : IND 1

**CAN JER INDUSTRIAL LUBRICANT LTD**  
 419 MISSISSIPPIAN DRIVE  
 ESTEVAN, SK  
 CA S4A 2A4  
 Contact: LONDON LILLEJORD  
 llilljrd@canjer.com

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 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.

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F: