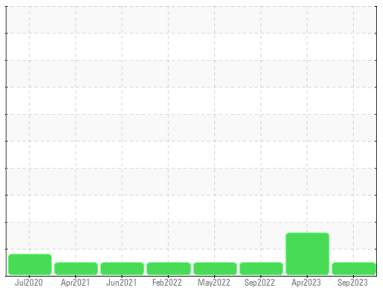
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

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

DIAGNOSIS

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 2 test kits, this testkit includes AN to determine the suitability of the oil for continued use.

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 (unconfirmed).

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**BR0000769**	BR0000617	BR0000677
Sample Date		Client Info		**12 Sep 2023**	25 Apr 2023	22 Sep 2022
Machine Age	hrs	Client Info		**0**	0	0
Oil Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**NORMAL**	ABNORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>400	**31**	29	32
Chromium	ppm	ASTM D5185(m)	>10	**<1**	<1	<1
Nickel	ppm	ASTM D5185(m)	>10	**<1**	<1	<1
Titanium	ppm	ASTM D5185(m)		**0**	<1	<1
Silver	ppm	ASTM D5185(m)		**<1**	0	0
Aluminum	ppm	ASTM D5185(m)	>25	**97**	87	98
Lead	ppm	ASTM D5185(m)	>50	**<1**	<1	1
Copper	ppm	ASTM D5185(m)	>200	**7**	8	6
Tin	ppm	ASTM D5185(m)	>10	**0**	0	0
Antimony	ppm	ASTM D5185(m)	>5	**783**	970	1031
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Beryllium	ppm	ASTM D5185(m)		**0**	0	0
Cadmium	ppm	ASTM D5185(m)		**0**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		**<1**	<1	<1
Barium	ppm	ASTM D5185(m)		**2**	<1	<1
Molybdenum	ppm	ASTM D5185(m)		**113**	122	141
Manganese	ppm	ASTM D5185(m)		**0**	<1	<1
Magnesium	ppm	ASTM D5185(m)		**0**	0	<1
Calcium	ppm	ASTM D5185(m)		**12**	12	15
Phosphorus	ppm	ASTM D5185(m)		**185**	235	244
Zinc	ppm	ASTM D5185(m)		**5**	5	6
Sulfur	ppm	ASTM D5185(m)		**12227**	11847	12272
Lithium	ppm	ASTM D5185(m)		**<1**	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	**9**	▲ 97	11
Sodium	ppm	ASTM D5185(m)		**3**	3	4
Potassium	ppm	ASTM D5185(m)	>20	**0**	<1	<1

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Precipitate	scalar	Visual*	NONE	**NONE**	NONE	NONE
Silt	scalar	Visual*	NONE	**NONE**	NONE	NONE
Debris	scalar	Visual*	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	**NONE**	NONE	NONE
Appearance	scalar	Visual*	NORML	**NORML**	NORML	NORML
Odor	scalar	Visual*	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	NEG
Free Water	scalar	Visual*		**NEG**	NEG	NEG

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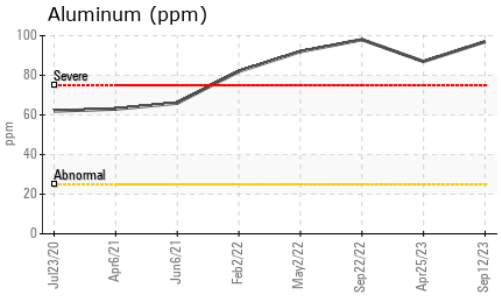
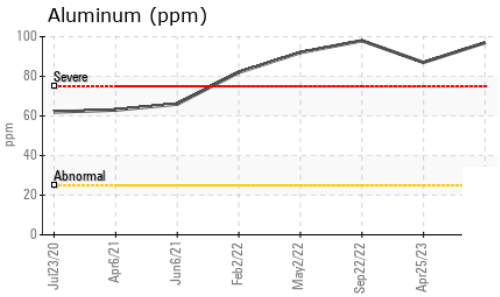
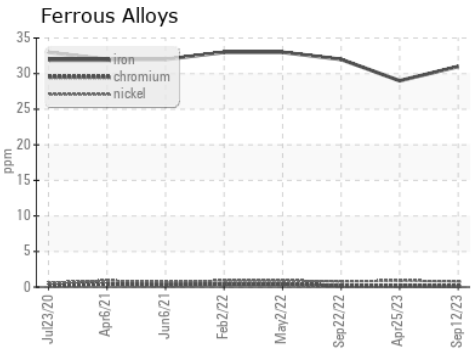


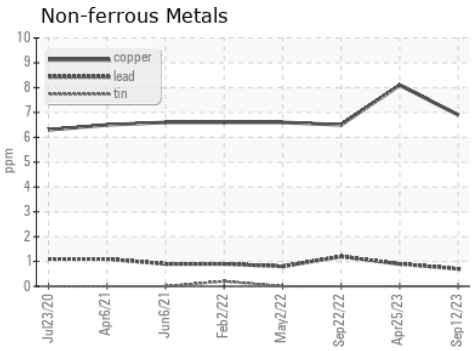


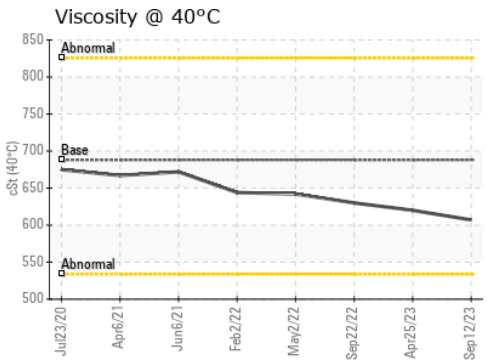
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	688	**607**	620	630

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS







ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CAN JER INDUSTRIAL LUBRICANT LTD**
Sample No. : BR0000769 **Received** : 28 Sep 2023 419 MISSISSIPPIAN DRIVE
Lab Number : 02585950 **Diagnosed** : 29 Sep 2023 ESTEVAN, SK
Unique Number : 5655016 **Diagnostician** : Kevin Marson CA S4A 2A4
Test Package : IND 1 Contact: LANDON LILLEJORD

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