



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
BUCYRUS 2570
 Component
3 Propel Gearbox
 Fluid
BELRAY 100 EP GEAR OIL 680 (13 LTR)

RECOMMENDATION

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please note that the oil was too thick to perform some of the normal laboratory tests.

WEAR

All component wear rates are normal.

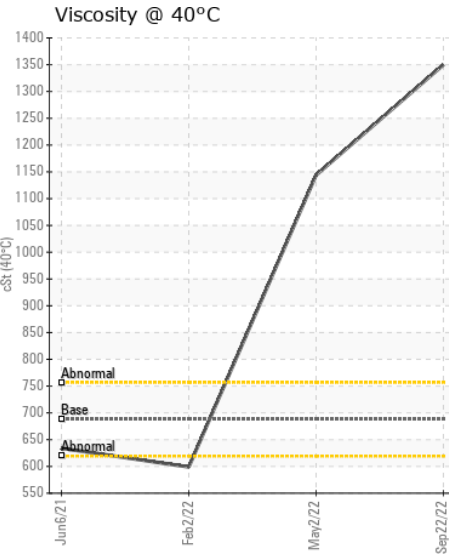
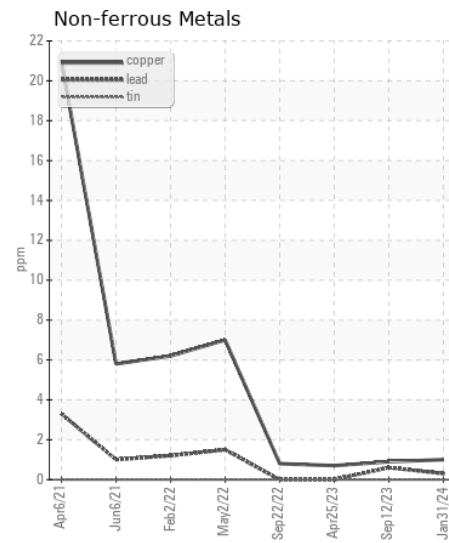
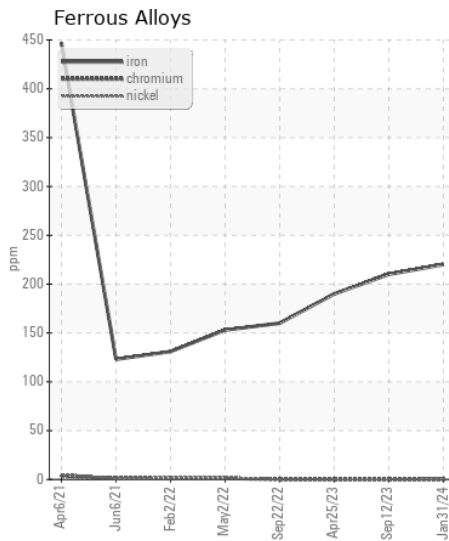
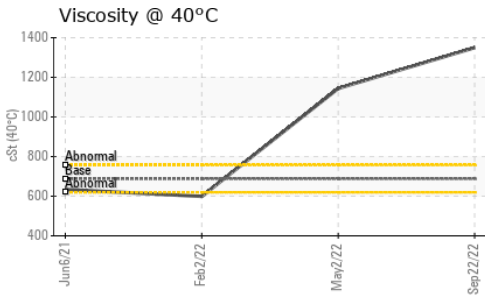
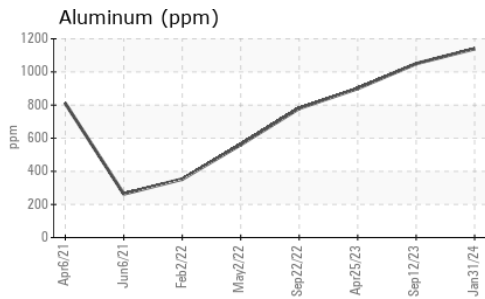
CONTAMINATION

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).

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		BR0000822	BR0000764	BR0000645
Sample Date		Client Info		31 Jan 2024	12 Sep 2023	25 Apr 2023
Machine Age	hrs	Client Info		275332	29393	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
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Iron	ppm	ASTM D5185(m)	>200	220	210	190
Chromium	ppm	ASTM D5185(m)	>10	0	0	0
Nickel	ppm	ASTM D5185(m)	>10	<1	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)		0	<1	0
Aluminum	ppm	ASTM D5185(m)		1140	1050	900
Lead	ppm	ASTM D5185(m)		<1	<1	0
Copper	ppm	ASTM D5185(m)		1	<1	<1
Tin	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	LIGHT	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
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Silicon	ppm	ASTM D5185(m)		110	100	100
Potassium	ppm	ASTM D5185(m)	>20	1	0	0
Water		WC Method	>0.2	NEG	NEG	NEG
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
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Sodium	ppm	ASTM D5185(m)		7	9	6
Boron	ppm	ASTM D5185(m)		0	<1	<1
Barium	ppm	ASTM D5185(m)		0	<1	0
Molybdenum	ppm	ASTM D5185(m)		1530	1450	1200
Manganese	ppm	ASTM D5185(m)		0	0	<1
Magnesium	ppm	ASTM D5185(m)		1	0	0
Calcium	ppm	ASTM D5185(m)		170	160	130
Phosphorus	ppm	ASTM D5185(m)		590	630	680
Zinc	ppm	ASTM D5185(m)		20	20	2
Sulfur	ppm	ASTM D5185(m)		12340	11610	11150
Visc @ 40°C	cSt	ASTM D7279(m)	688	---	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CAN JER INDUSTRIAL LUBRICANT LTD**
Sample No. : BR0000822 **Received** : 29 Feb 2024 419 MISSISSIPPIAN DRIVE
Lab Number : 02619064 **Tested** : 01 Mar 2024 ESTEVAN, SK
Unique Number : 5736174 **Diagnosed** : 01 Mar 2024 - Kevin Marson CA S4A 2A4
Test Package : IND 1 **Contact:** LANDON LILLEJORD
 lilljrd@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.