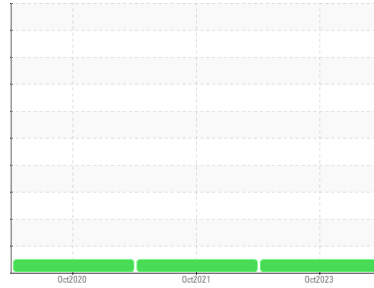




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
C-GMFZ
 Machine Id
BOMBARDIER CL-415 C-GMFZ
 Component
Hydraulic System
 Fluid
ROYAL ROYCO 782 (29 LTR)

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. The system and fluid cleanliness is acceptable.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0732116	WC0626608	WC0464111
Sample Date	Client Info		20 Oct 2023	14 Oct 2021	02 Oct 2020
Machine Age	hrs	Client Info	0	1449	1161
Oil Age	hrs	Client Info	0	0	149
Oil Changed	Client Info		N/A	Changed	Changed
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	0	0
Chromium	ppm	ASTM D5185(m)	>10	0	0
Nickel	ppm	ASTM D5185(m)	>10	0	<1
Titanium	ppm	ASTM D5185(m)		0	0
Silver	ppm	ASTM D5185(m)		<1	<1
Aluminum	ppm	ASTM D5185(m)	>10	0	0
Lead	ppm	ASTM D5185(m)	>20	<1	<1
Copper	ppm	ASTM D5185(m)	>20	<1	<1
Tin	ppm	ASTM D5185(m)	>10	0	0
Antimony	ppm	ASTM D5185(m)		0	<1
Vanadium	ppm	ASTM D5185(m)		0	0
Beryllium	ppm	ASTM D5185(m)		0	0
Cadmium	ppm	ASTM D5185(m)		0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1	<1
Barium	ppm	ASTM D5185(m)		0	0
Molybdenum	ppm	ASTM D5185(m)		0	0
Manganese	ppm	ASTM D5185(m)		0	0
Magnesium	ppm	ASTM D5185(m)		0	0
Calcium	ppm	ASTM D5185(m)		0	0
Phosphorus	ppm	ASTM D5185(m)	720	684	699
Zinc	ppm	ASTM D5185(m)		<1	<1
Sulfur	ppm	ASTM D5185(m)	0	60	84
Lithium	ppm	ASTM D5185(m)		<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	5	6
Sodium	ppm	ASTM D5185(m)		0	0
Potassium	ppm	ASTM D5185(m)	>20	<1	<1

FLUID CLEANLINESS

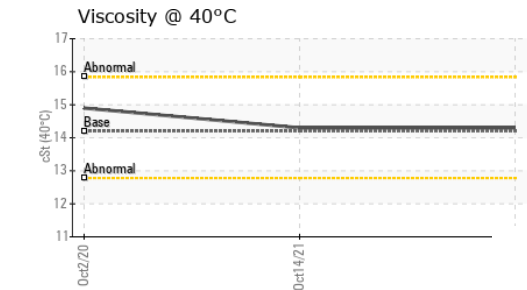
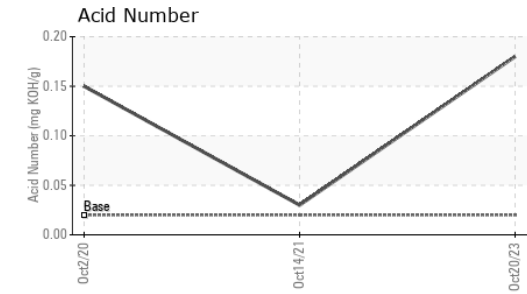
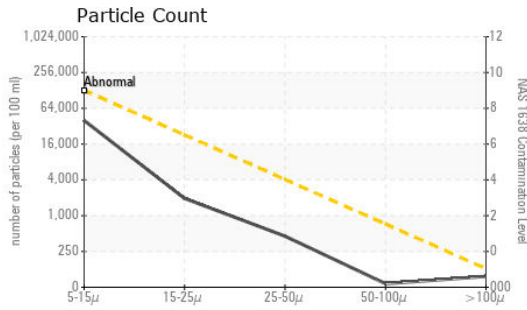
	method	limit/base	current	history1	history2
Particles 5-15µm	count	NAS 1638	>128000	39981	12020
Particles 15-25µm	count	NAS 1638	>22800	1949	1028
Particles 25-50µm	count	NAS 1638	>4050	452	357
Particles 50-100µm	count	NAS 1638	>720	25	99
Particles >100µm	count	NAS 1638	>128	76	0
NAS 1638	Class	NAS 1638	>9	9	7

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.02	0.18	0.03



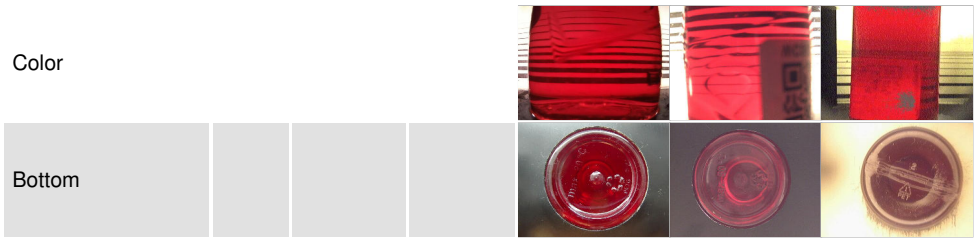
OIL ANALYSIS REPORT



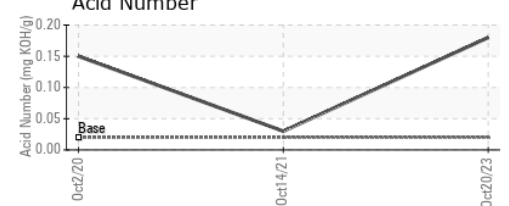
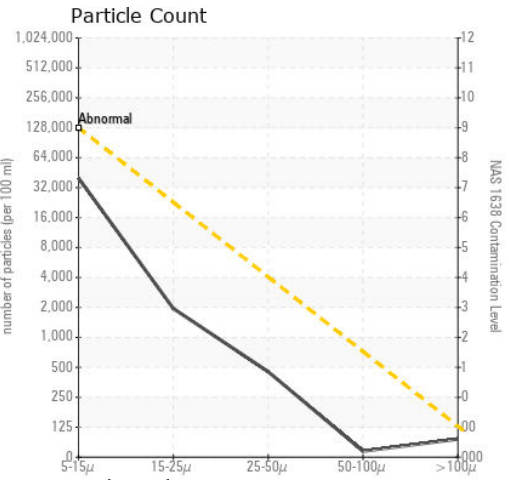
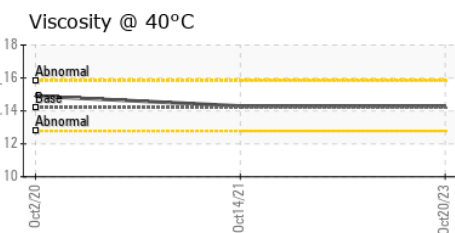
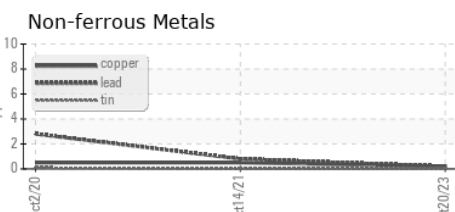
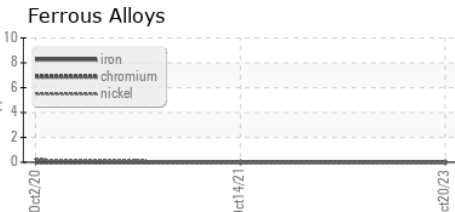
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	14.2	14.3	14.3

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0732116 **Received** : 24 Oct 2023
Lab Number : **02591410** **Diagnosed** : 25 Oct 2023
Unique Number : 5668489 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: PrtCountNAS, TAN Man)

Babcock International
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 Winnipeg, MB
 CA R3J 3Y9
 Contact: Pam Ashton
 Pam.ashton@babcockinternational.com
 T: (204)832-6463
 F:

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.