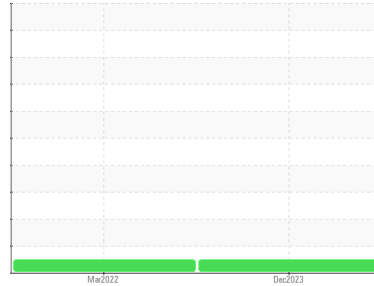


Machine Id
RGF 1/2
Component
Gearbox
Fluid
NOT GIVEN (--- GAL)



DIAGNOSIS

Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

The water content is negligible. There is no indication of any contamination in the oil.

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		PC	WC0674380	---
Sample Date	Client Info		13 Dec 2023	13 Mar 2022	---
Machine Age	hrs	Client Info	0	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			NORMAL	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		0	0	---
Iron	ppm	ASTM D5185(m) >200	2	<1	---
Chromium	ppm	ASTM D5185(m) >15	0	0	---
Nickel	ppm	ASTM D5185(m) >15	0	<1	---
Titanium	ppm	ASTM D5185(m)	0	0	---
Silver	ppm	ASTM D5185(m)	<1	0	---
Aluminum	ppm	ASTM D5185(m) >25	0	0	---
Lead	ppm	ASTM D5185(m) >100	1	<1	---
Copper	ppm	ASTM D5185(m) >200	2	<1	---
Tin	ppm	ASTM D5185(m) >25	0	<1	---
Antimony	ppm	ASTM D5185(m) >5	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)	<1	0	---
Molybdenum	ppm	ASTM D5185(m)	0	0	---
Manganese	ppm	ASTM D5185(m)	0	0	---
Magnesium	ppm	ASTM D5185(m)	<1	0	---
Calcium	ppm	ASTM D5185(m)	5	2	---
Phosphorus	ppm	ASTM D5185(m)	63	24	---
Zinc	ppm	ASTM D5185(m)	62	8	---
Sulfur	ppm	ASTM D5185(m)	6316	6017	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

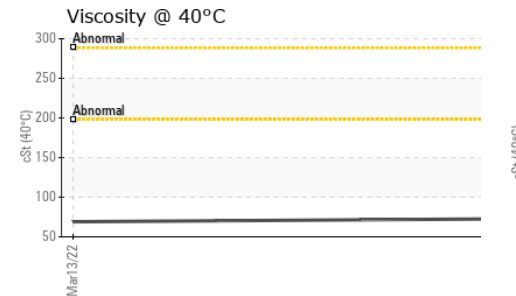
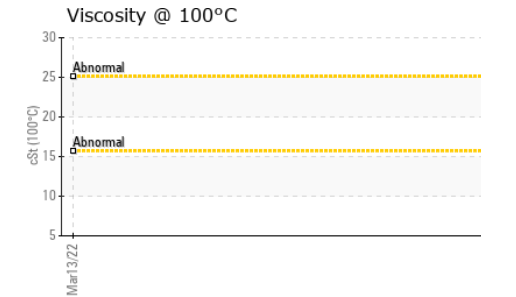
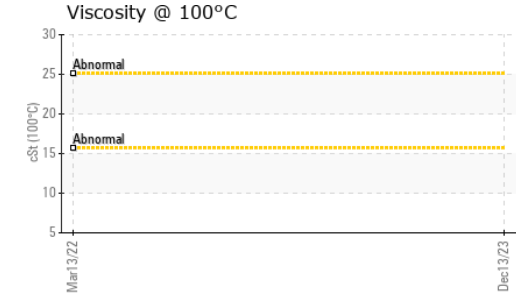
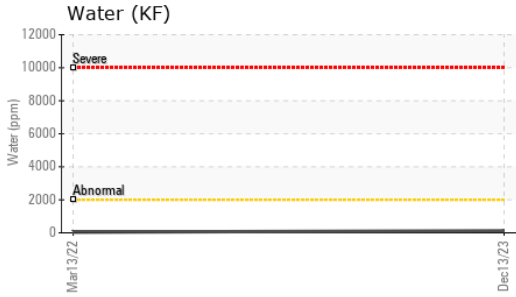
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	4	6	---
Sodium	ppm	ASTM D5185(m)	<1	<1	---
Potassium	ppm	ASTM D5185(m) >20	0	<1	---
Water	%	ASTM D6304* >0.2	0.012	0.004	---
ppm Water	ppm	ASTM D6304* >2000	121	41.9	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.05	0.02	---

OIL ANALYSIS REPORT



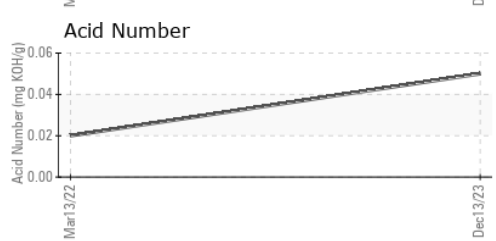
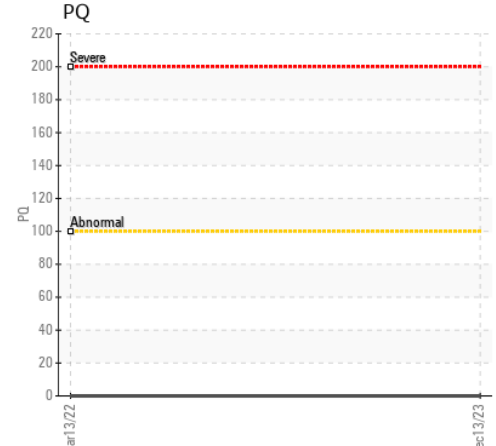
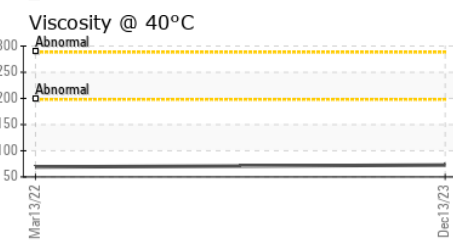
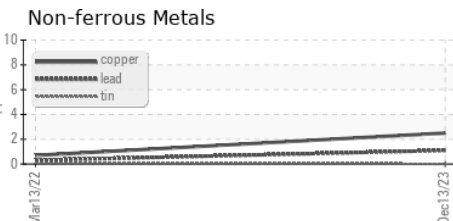
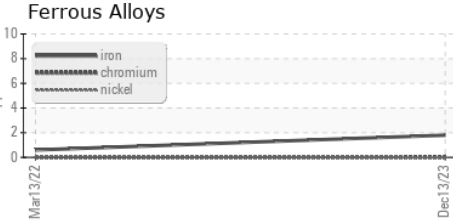
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	.2%	.2%
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	72.7	69.0	---
Visc @ 100°C	cSt	ASTM D7279(m)	9	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	96	---	---

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color				
Bottom				

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC **Received** : 14 Dec 2023
Lab Number : 02603278 **Diagnosed** : 15 Dec 2023
Unique Number : 5696363 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: KF, KV100, VI)

Birla Carbon Canada Ltd.
 755 Parkdale Avenue North
 Hamilton, ON
 CA L8H 7N5
 Contact: Vesna Hinds
 vesna.hinds@adityabirla.com
 T:
 F: (905)544-8641

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.