

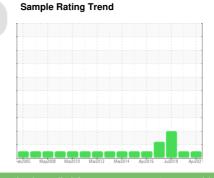
# **OIL ANALYSIS REPORT**

# CARIBOU FALLS GS FP4G3

Component

**Governor System** 

ESSO TERESSO ISO 46 (--- GAL)





## DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

### Wear

All component wear rates are normal.

#### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. 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 INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0560608	WC0475101	WC944844
Sample Date		Client Info		13 Apr 2021	08 Jul 2020	17 Jul 2018
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	NORMAL	ABNORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>50	2	2	1
Chromium	ppm	ASTM D5185(m)		0	0	0
Nickel	ppm	ASTM D5185(m)		<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		<1	<1	0
Aluminum	ppm	ASTM D5185(m)	>3	<1	<1	0
Lead	ppm	ASTM D5185(m)	>75	<1	0	<1
Copper	ppm	ASTM D5185(m)	>15	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>55	<1	0	0
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	<1	0	0
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)	0	0	0	<1
Calcium	ppm	ASTM D5185(m)	0	<1	0	<1
Phosphorus	ppm	ASTM D5185(m)	2.4	6	4	5
Zinc	ppm	ASTM D5185(m)	0	<1	<1	<1
Sulfur	ppm	ASTM D5185(m)		1364	1340	1350
Lithium	ppm	ASTM D5185(m)		<1	<1	0
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>8	1	<1	<1
Sodium	ppm	ASTM D5185(m)		0	0	0
Potassium	ppm	ASTM D5185(m)	>20	0	0	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2

ASTM D7647 >20000

ASTM D7647 >5000

ASTM D7647 >640

ASTM D7647 >160

ASTM D7647 >40

ASTM D7647 >10

ISO 4406 (c) >21/19/16

Particles >4µm

Particles >6µm

Particles >14µm

Particles >21µm

Particles >38µm

Particles >71µm

Oil Cleanliness

403

39

6

2

0

0

3340

290

12

5

0

0

19/15/11

1515

117

3

1

0

0

18/14/9



# **OIL ANALYSIS REPORT**





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number Unique Number

: WC0560608 : 02423580 : 5227080

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Received : 26 May 2021 Diagnosed : 27 May 2021 Diagnostician : Wes Davis

**Ontario Power Generation** KENORA PRODUCTION CENTRE, 200-60 FOURTEENTH ST N. KENORA, ON

> **CA P9N 4M9** Contact: Josh Robinson

Test Package : IND 2 (Additional Tests: PrtCount, TAN Man) To discuss this sample report, contact Customer Service at 1-800-268-2131.

josh.robinson@opg.com

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.

T:

F: