

# **OIL ANALYSIS REPORT**

# CARIBOU FALLS GS FP4G1

Component

**Governor System** 

ESSO TERESSO ISO 46 (--- GAL)

Sample Rating Trend



### 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.

		eb2005 May2	008 Mar2010 Mar2012	Mar2014 Apr2016 Jul2018 Mar	2019 Apr202	
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0560606	WC0475095	WC0335077
Sample Date		Client Info		13 Apr 2021	08 Jul 2020	25 Mar 2019
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	NORMAL
CONTAMINATION		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)		0	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		<1	<1	0
Aluminum	ppm	ASTM D5185(m)	>3	<1	0	<1
Lead	ppm	ASTM D5185(m)	>75	<1	<1	<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	<1
Magnesium	ppm	ASTM D5185(m)	0	<1	0	<1
Calcium	ppm	ASTM D5185(m)	0	<1	0	<1
Phosphorus	ppm	ASTM D5185(m)	2.4	3	2	4
Zinc	ppm	ASTM D5185(m)	0	1	1	1
Sulfur	ppm	ASTM D5185(m)		1811	1761	2133
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	<1
Potassium	ppm	ASTM D5185(m)	>20	<1	0	0
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	6846	15736	3527
Particles >6µm		ASTM D7647	>5000	355	1120	116
Particles >14μm		ASTM D7647	>640	3	8	6
Particles >21µm		ASTM D7647	>160	0	3	2
Particles >38µm		ASTM D7647	>40	0	0	0

ASTM D7647 >10

ISO 4406 (c) >21/19/16

20/16/9

21/17/10

Particles >71µm

Oil Cleanliness



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number

Unique Number

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0560606 : 02423548

Received Diagnosed : 5227048

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.

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

**Ontario Power Generation** KENORA PRODUCTION CENTRE, 200-60 FOURTEENTH ST N. KENORA, ON **CA P9N 4M9** 

Test Package : IND 2 (Additional Tests: PrtCount, TAN Man) Contact: Josh Robinson To discuss this sample report, contact Customer Service at 1-800-268-2131. josh.robinson@opg.com

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