

## **OIL ANALYSIS REPORT**

# CARIBOU FALLS GS FP4G2

Component **Governor System** Fluid ESSO TERESSO ISO 46 (--- GAL)

#### 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

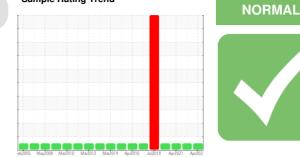
All component wear rates are normal.

#### 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.



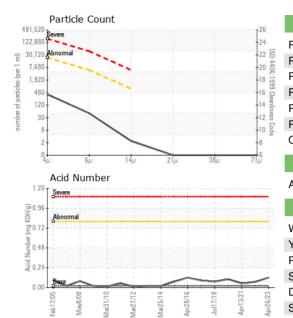
Sample Rating Trend

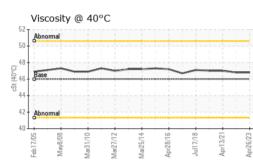


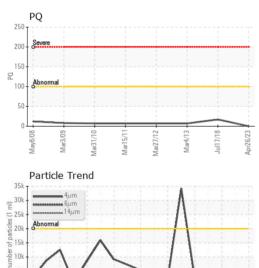
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0806480	WC0686295	WC0560607
Sample Date		Client Info		26 Apr 2023	11 Jul 2022	13 Apr 2021
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	٧	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0		
Iron	ppm	ASTM D5185(m)	>50	3	2	2
Chromium	ppm	ASTM D5185(m)	>10	0	0	0
Nickel	ppm	ASTM D5185(m)	>10	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>3	0	<1	0
Lead	ppm	ASTM D5185(m)	>75	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>15	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>55	0	0	0
Antimony	ppm	ASTM D5185(m)	>5	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	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	0	0	<1
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	0
Calcium	ppm	ASTM D5185(m)	0	0	0	<1
Phosphorus	ppm	ASTM D5185(m)	2.4	4	4	5
Zinc	ppm	ASTM D5185(m)	0	<1	<1	<1
Sulfur	ppm	ASTM D5185(m)		1333	1290	1286
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
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	<1	0



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FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2			
Particles >4µm		ASTM D7647	>20000	347	287	988			
Particles >6µm		ASTM D7647	>5000	43	18	85			
Particles >14µm		ASTM D7647	>640	2	3	3			
Particles >21µm		ASTM D7647	>160	0	0	1			
Particles >38µm		ASTM D7647	>40	0	0	0			
Particles >71µm		ASTM D7647	>10	0	0	0			
Oil Cleanliness		ISO 4406 (c)	>21/19/16	16/13/9	15/11/9	17/14/9			
FLUID DEGRADA	TION	method	limit/base	current	history1	history2			
Acid Number (AN)	mg KOH/g	ASTM D974*	0.02	0.12	0.07	0.05			
VISUAL		method	limit/base	current	history1	history2			
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE			
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE			
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE			
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*	>0.1	NEG	NEG	NEG			
Free Water	scalar	Visual*		NEG	NEG	NEG			
FLUID PROPERTIES		method	limit/base	current	history1	history2			
Visc @ 40°C	cSt	ASTM D7279(m)	46	46.8	46.8	47.0			
SAMPLE IMAGES		method	limit/base	current	history1	history2			
Color					to the				

Bottom

