

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

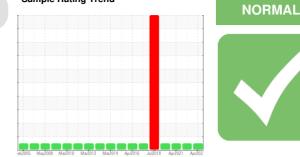
All component wear rates are normal.

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.



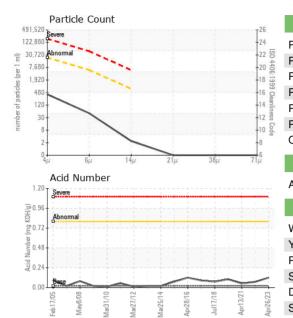
Sample Rating Trend

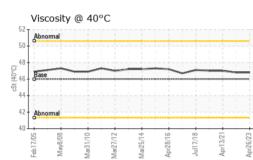


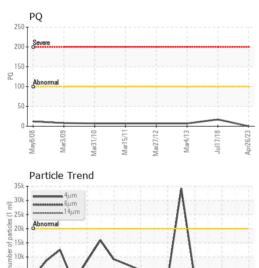
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0806480	WC0686295	WC0560607
Sample Date		Client Info		26 Apr 2023	11 Jul 2022	13 Apr 2021
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				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



OIL ANALYSIS REPORT







5

IL ANAL I SIS NEFONI									
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

