

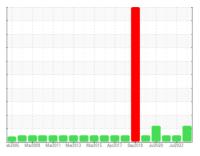
PROBLEM SUMMARY

CARIBOU FALLS GS Machine Id FP4G1

Component Thrust Bearing

ESSO TERESSO ISO 46 (--- GAL)

Sample Rating Trend





COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

We advise that you check for visible metal particles in the oil. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

PROBLEMATIC TEST RESULTS

Sample Status
White Metal scalar Visual* NONE

PrtFilter



Customer Id: ONTKEE Sample No.: WC0806477 Lab Number: 02559016 Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data: Kevin Marson +1 (289)291-4644 x4644 Kevin.Marson@wearcheck.com

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample			?	We recommend an early resample to monitor this condition.
Information Required			?	NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.
Check For Visual Metal			?	We advise that you check for visible metal particles in the oil.

HISTORICAL DIAGNOSIS

11 Jul 2022 Diag: Kevin Marson

NORMAL



Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



13 Apr 2021 Diag: Kevin Marson

NORMAL



Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

View report

08 Jul 2020 Diag: Kevin Marson

VISUAL METAL



We advise that you check for visible metal particles in the oil. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Light concentration of visible metal present. All other component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid.





OIL ANALYSIS REPORT

Lithium

Silicon

Sodium

Potassium

CONTAMINANTS

Sample Rating Trend

VISUAL METAL



CARIBOU FALLS GS FP4G1

Component

Thrust Bearing

ESSO TERESSO ISO 46 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check for visible metal particles in the oil. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Light concentration of visible metal present. All other 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.

	ครั้งเกร MarZon9 MarZon1 MarZon3 MarZon5 AprZon7 SepZon8 Jul2020 Jul2022							
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		WC0806477	WC0686290	WC0560603		
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				ABNORMAL	NORMAL	NORMAL		
CONTAMINATION		method	limit/base	current	history1	history2		
Water		WC Method	>2	NEG	NEG	NEG		
WEAR METALS		method	limit/base	current	history1	history2		
PQ		ASTM D8184*		0				
Iron	ppm	ASTM D5185(m)	>85	3	3	2		
Chromium	ppm	ASTM D5185(m)	>20	0	0	0		
Nickel	ppm	ASTM D5185(m)	>20	0	<1	<1		
Titanium	ppm	ASTM D5185(m)		0	0	0		
Silver	ppm	ASTM D5185(m)		0	0	<1		
Aluminum	ppm	ASTM D5185(m)	>40	<1	<1	<1		
Lead	ppm	ASTM D5185(m)	>60	<1	<1	<1		
Copper	ppm	ASTM D5185(m)	>7	<1	<1	<1		
Tin	ppm	ASTM D5185(m)	>40	<1	<1	<1		
Antimony	ppm	ASTM D5185(m)		<1	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	<1	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	<1		
Calcium	ppm	ASTM D5185(m)	0	0	0	<1		
Phosphorus	ppm	ASTM D5185(m)	2.4	0	1	2		
Zinc	ppm	ASTM D5185(m)	0	2	2	2		
Sulfur	ppm	ASTM D5185(m)		2008	1925	1931		

<1

3

0

0

current

limit/base

ASTM D5185(m)

method

ASTM D5185(m)

ASTM D5185(m) >20

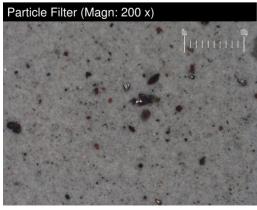
ASTM D5185(m) >20

ppm

ppm

ppm

ppm



Particle Filter (Magn: 200 x)							
		(I	1004				
	<i>b</i>)						

<1

3

<1

<1

history2

<1

3

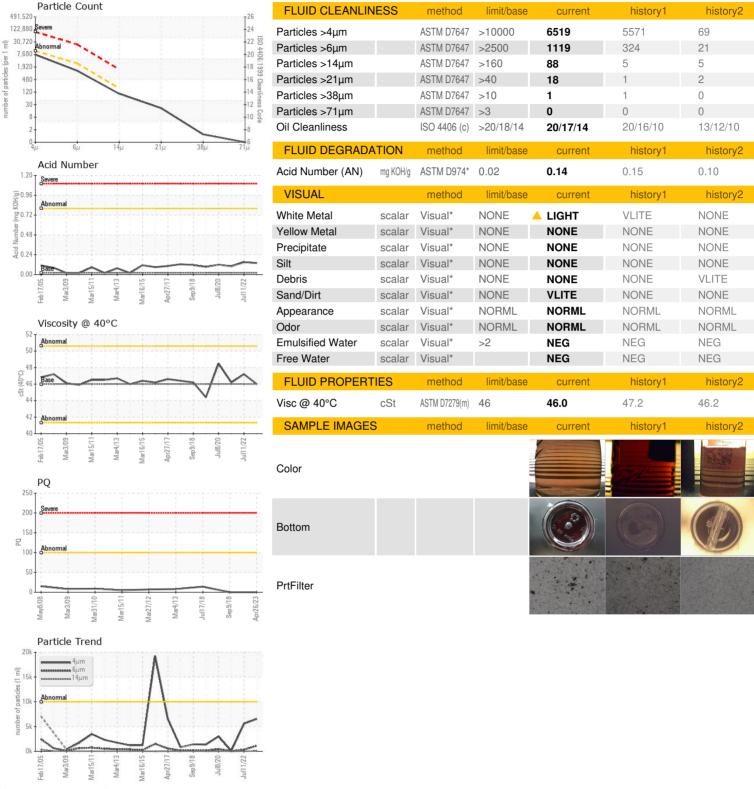
0

0

history1



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number **Unique Number**

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 . 02559016

: 5580056

Received : WC0806477 Diagnosed

Diagnostician : Kevin Marson

: 23 May 2023 : 24 May 2023

KENORA PRODUCTION CENTRE, 200-60 FOURTEENTH ST N.

KENORA, ON **CA P9N 4M9** Contact: Josh Robinson

Ontario Power Generation

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

josh.robinson@opg.com T:

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.

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