

OIL ANALYSIS REPORT

MANITOU FALLS GS FP2G1

Component

Governor System

R&O OIL ISO 46 (--- GAL)

Sample Rating Trend



DIAGNOSIS

Recommendation

component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate

Little or no information is provided as to the

assessment. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) R&O OIL ISO 46. Please confirm.

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.

		Mar2005	Mar2013 Mar2016	Jan2018 May2019 Jul2020	Mar2021	
SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		WC0560637	WC0481708	WC0335062
Sample Date		Client Info		29 Mar 2021	08 Jul 2020	09 May 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

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)		<1	0	0
Nickel	ppm	ASTM D5185(m)		<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		<1	0	0
Aluminum	ppm	ASTM D5185(m)	>3	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>75	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>15	<1	0	0
Tin	ppm	ASTM D5185(m)	>55	0	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)	5	<1	<1	0
Barium	ppm	ASTM D5185(m)	5	<1	0	0
Molybdenum	ppm	ASTM D5185(m)	5	0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	<1
Magnesium	ppm	ASTM D5185(m)	5	0	<1	<1
Calcium	ppm	ASTM D5185(m)	5	<1	<1	<1
Phosphorus	ppm	ASTM D5185(m)	100	4	2	2
Zinc	ppm	ASTM D5185(m)	25	1	1	1
Sulfur	ppm	ASTM D5185(m)	1500	1908	1942	1916
Lithium	ppm	ASTM D5185(m)		<1	<1	0
CONTAMINANTS	6	method	limit/base	current	history1	history2

CONTAMINANTS	S	method				history2
Silicon	ppm	ASTM D5185(m)	>8	1	<1	<1
Sodium	ppm	ASTM D5185(m)		0	<1	0
Potassium	ppm	ASTM D5185(m)	>20	<1	1	<1
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FLUID CLEANLINESS	method				history2
Particles >4µm	ASTM D7647	>20000	3485	12055	8577
Particles >6µm	ASTM D7647	>5000	241	1185	358
Particles >14μm	ASTM D7647	>640	5	21	7
Particles >21µm	ASTM D7647	>160	0	5	2
Particles >38μm	ASTM D7647	>40	0	0	0
Particles >71μm	ASTM D7647	>10	0	0	0
Oil Cleanliness	ISO 4406 (c)	>21/19/16	19/15/10	21/17/12	20/16/10

Contact/Location: Josh Robinson - ONTKEE



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Report Id: ONTKEE [WCAMIS] 02423545 (Generated: 11/27/2023 14:51:40) Rev: 1

Laboratory Sample No. Lab Number

Unique Number

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0560637 : 02423545

Received : 5227045

Diagnosed : Wes Davis Diagnostician

: 26 May 2021 : 27 May 2021

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) To discuss this sample report, contact Customer Service at 1-800-268-2131. 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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