

OIL ANALYSIS REPORT

Sample Rating Trend





BALDWIN U-22 TURBINE BRG

Component **Turbine**

R&O OIL ISO 68 (100 GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable.

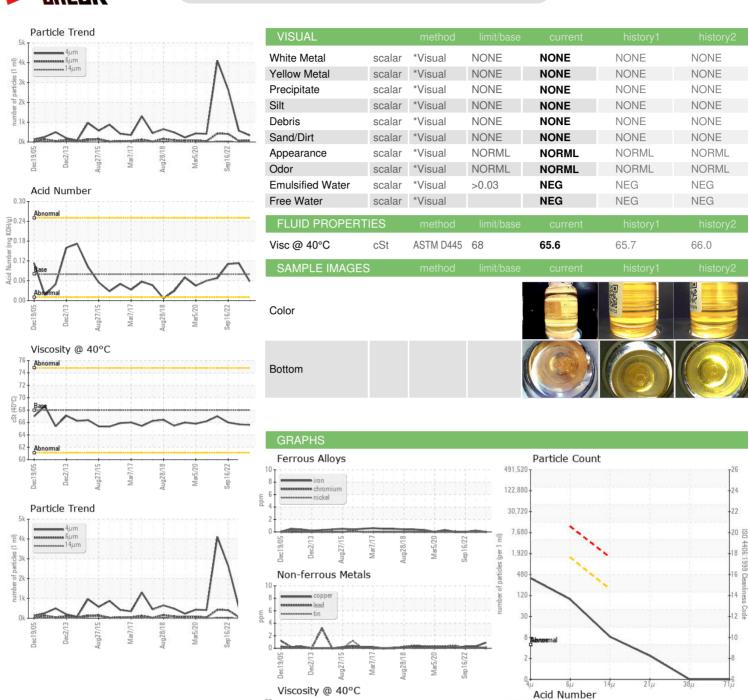
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

ec2005 Dec2013 Aug2015 Mar2017 Aug2018 Mar2020 Sep2022						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0845046	WC0786732	WC0731009
Sample Date		Client Info		12 Sep 2023	02 Mar 2023	16 Sep 2022
Machine Age	yrs	Client Info		0	0	0
Oil Age	yrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>15	0	<1	0
Chromium	ppm	ASTM D5185m	>4	0	0	0
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>10	0	<1	0
Lead	ppm	ASTM D5185m		0	<1	0
Copper	ppm	ASTM D5185m	>5	<1	<1	<1
Tin	ppm	ASTM D5185m	>5	<1	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	<1	<1	<1
Manganese	ppm	ASTM D5185m		<1	0	1
Magnesium	ppm	ASTM D5185m	5	1	1	2
Calcium	ppm	ASTM D5185m	5	6	6	0
Phosphorus	ppm	ASTM D5185m	100	12	6	19
Zinc	ppm	ASTM D5185m	25	0	4	0
Sulfur	ppm	ASTM D5185m	1500	1112	888	994
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	0	<1
Sodium	ppm	ASTM D5185m		3	0	<1
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		332	564	2656
Particles >6µm		ASTM D7647	>1300	82	58	409
Particles >14µm		ASTM D7647	>160	7	5	25
Particles >21µm		ASTM D7647	>40	2	0	5
Particles >38µm		ASTM D7647	>10	0	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/14	16/14/10	16/13/10	19/16/12
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.08	0.058	0.113	0.111



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Certificate L2367

Laboratory Sample No. Lab Number

Unique Number

: 05960560 : 10661773 Test Package : PLANT

cSt (40°C)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0845046

Diagnosed Diagnostician

: 25 Sep 2023 Received : 27 Sep 2023 : Don Baldridge

Sep16/22.

(B/0.30 V) 0.24

€0.18 흘 0.12

> **NEW YORK POWER AUTHORITY PO BOX 700**

MASSENA, NY US 13662

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Contact: ANDY WESTMACOTT

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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)