

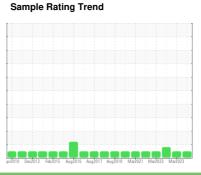
OIL ANALYSIS REPORT

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TURBINE PIT Machine Id BALDWIN U-29 TURBINE BRG

Component **Turbine**

R&O OIL ISO 68 (200 GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Moor

All component wear rates are normal.

Contamination

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

Fluid Condition

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

gr2010						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0845032	WC0786718	WC0731023
Sample Date		Client Info		13 Sep 2023	03 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	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>15	<1	<1	<1
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	<1
Lead	ppm	ASTM D5185m		<1	1	0
Copper	ppm	ASTM D5185m	>5	2	1	1
Tin	ppm	ASTM D5185m	>5	<1	<1	0
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	2	2	3
Calcium	ppm	ASTM D5185m	5	6	6	0
Phosphorus	ppm	ASTM D5185m	100	13	9	24
Zinc	ppm	ASTM D5185m	25	0	5	7
Sulfur	ppm	ASTM D5185m	1500	441	377	343
CONTAMINANTS		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	2	1	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1791	2902	18157
Particles >6µm		ASTM D7647	>1300	231	192	<u> 1535</u>
Particles >14μm		ASTM D7647	>160	8	5	31
Particles >21µm		ASTM D7647	>40	2	1	5
Particles >38μm		ASTM D7647	>10	0	0	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/14	18/15/10	19/15/10	<u>^</u> 21/18/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
1 EOID DEGITION				541.511		motory

Acid Number (AN) mg KOH/g ASTM D8045 0.08

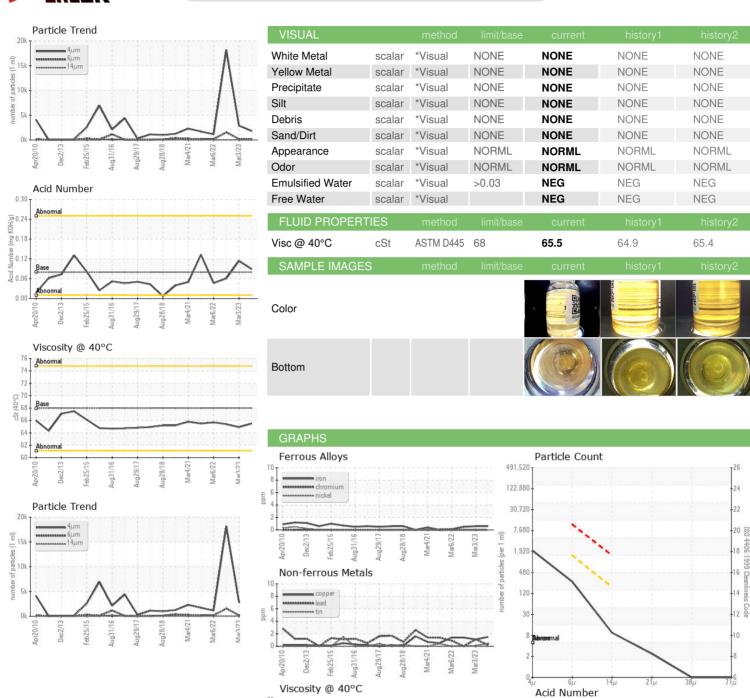
0.114

0.089

0.061



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

: WC0845032 : 05960574 : 10661787 Test Package : PLANT

cSt (40°C)

65

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

Diagnosed Diagnostician

: 25 Sep 2023 Received : 27 Sep 2023

Mar3/23

(B) 0.30 W 0.24

£ 0.18 흘 0.12

: Don Baldridge

Certificate L2367 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)

NEW YORK POWER AUTHORITY

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