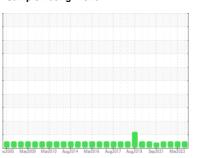


# **OIL ANALYSIS REPORT**

# **Sample Rating Trend**



NORMAL



# ALLIS-CHALMERS U-28 TURBINE BRG

Component **Turbine** 

**R&O OIL ISO 68 (100 GAL)** 

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# Recommendation

Resample at the next service interval to monitor.

#### Wear

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.

2005 May2009 May2010 Aug2014 May2016 Aug2017 Aug2013 Sep2021 May2023						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0845034	WC0786720	WC0731021
Sample Date		Client Info		13 Sep 2023	03 Mar 2023	16 Sep 2022
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
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>15	0	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	0
Lead	ppm	ASTM D5185m		0	<1	0
Copper	ppm	ASTM D5185m	>5	<1	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	1	<1	1
Calcium	ppm	ASTM D5185m	5	6	4	0
Phosphorus	ppm	ASTM D5185m	100	12	8	21
Zinc	ppm	ASTM D5185m	25	0	<1	0
Sulfur	ppm	ASTM D5185m	1500	1121	2081	2451
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	1	1	0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		260	1499	4455
Particles >6µm		ASTM D7647	>1300	54	179	241
Particles >14µm		ASTM D7647	>160	2	9	24
Particles >21µm		ASTM D7647	>40	1	2	8
Particles >38µm		ASTM D7647	>10	0	0	1
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/14	15/13/9	18/15/10	19/15/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

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

0.118

0.08

0.051



# **OIL ANALYSIS REPORT**







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

: WC0845034 : 05960572 : 10661785 : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 25 Sep 2023 Received : 27 Sep 2023

Diagnosed : Don Baldridge Diagnostician

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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