

# **OIL ANALYSIS REPORT**

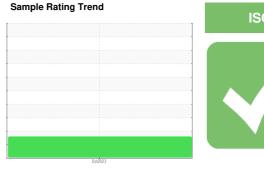
# AZURE SKY [200007684]

T-46

Component

**Wind Turbine Gearbox** 

**FUCHS RENOLIN UNISYN CLP 320 (--- LTF** 





Recommendation No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

## Contamination

There is a moderate amount of particulates present in the oil.

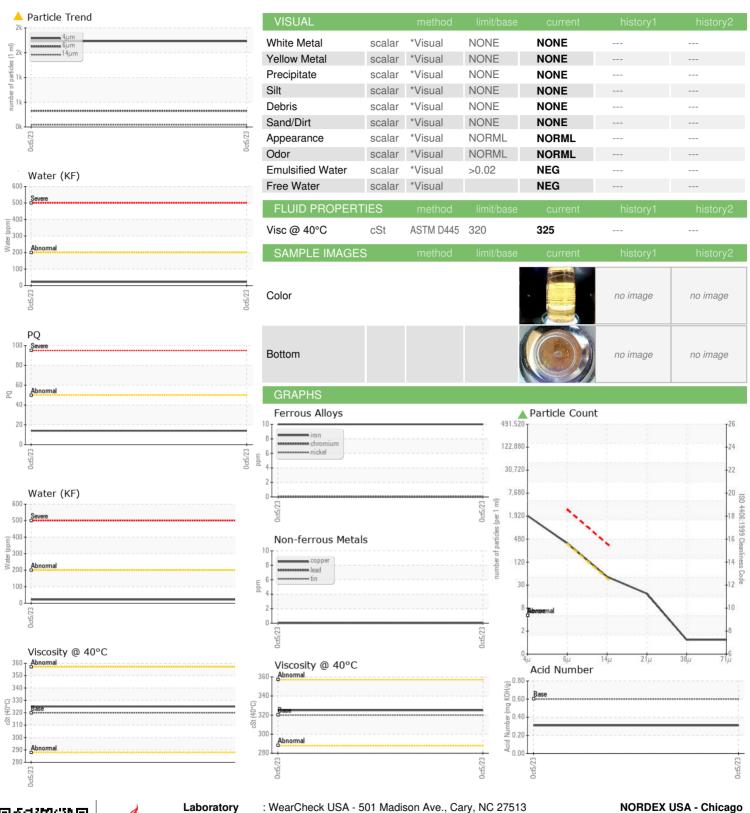
## **Fluid Condition**

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

<b>?</b> )						
SAMPLE INFOR	MATION	method	limit/base	0ct023	history1	history2
	IVIATION		IIIIIVbase		HISTORY	nistoryz
Sample Number		Client Info		NX06054835		
Sample Date		Client Info		05 Oct 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				ATTENTION		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>50	14		
Iron	ppm	ASTM D5185m	>30	10		
Chromium	ppm	ASTM D5185m	>3	0		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>10	0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>30	0		
Lead	ppm	ASTM D5185m	>15	0		
Copper	ppm	ASTM D5185m	>10	0		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		4		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		13		
Phosphorus	ppm	ASTM D5185m		201		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		4665		
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+15	5		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D6304	>0.02	0.002		
ppm Water	ppm	ASTM D6304	>200	22		
FLUID CLEANLI	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1731		
Particles >6µm		ASTM D7647	>320	<b>326</b>		
Particles >14µm		ASTM D7647	>40	<b>4</b> 4		
Particles >21µm		ASTM D7647	>10	<b>1</b> 6		
Particles >38µm		ASTM D7647	>3	1		
Particles >71µm		ASTM D7647		1		
Oil Cleanliness		ISO 4406 (c)	>/15/12	▲ 18/16/13		
FLUID DEGRAD	ATION_	method	limit/base	current	history1	history2



## **OIL ANALYSIS REPORT**





Certificate L2367

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

: 06054835

: NX06054835 : 10820784

: 08 Jan 2024 Recieved Diagnosed Diagnostician : Don Baldridge

: 10 Jan 2024 **Test Package**: IND 2 (Additional Tests: KF, PQ, PrtCount)

300 SOUTH WACKER DRIVE, SUITE 1500 CHICAGO, IL US 60606

Contact: DEVIN LINEHAN DLinehan@nordex-online.com T: (312)386-4124

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) F: (312)386-7102

Contact/Location: DEVIN LINEHAN - NORDEX