

# **OIL ANALYSIS REPORT**

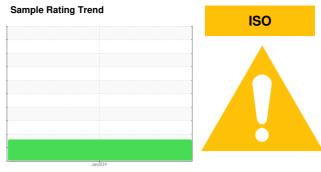
# AZURE SKY [200007684]

T-43

Component

**Wind Turbine Gearbox** 

**FUCHS RENOLIN UNISYN CLP 320 (650 LT** 



## **DIAGNOSIS**

#### Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

All component wear rates are normal.

## Contamination

There is a high 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.

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ΓR)				Jan 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NX06054792		
Sample Date		Client Info		07 Jan 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed	1110	Client Info		Not Changd		
Sample Status		Oliciti IIIIo		ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>40	10		
Iron	ppm	ASTM D5185m	>55	5		
Chromium	ppm	ASTM D5185m	>2	0		
Nickel	ppm	ASTM D5185m	>2	0		
Titanium	ppm	ASTM D5185m	>10	0		
Silver	ppm	ASTM D5185m	710	0		
Aluminum	ppm	ASTM D5185m	>15	0		
Lead		ASTM D5185m	>3	2		
Copper	ppm	ASTM D5185m	>5 >7	0		
Tin	ppm		>3	0		
Vanadium	ppm	ASTM D5185m	>3	-		
	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		5		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		15		
Phosphorus	ppm	ASTM D5185m		198		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		4616		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	4		
Sodium	ppm	ASTM D5185m		5		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D6304	>0.02	0.002		
ppm Water	ppm	ASTM D6304	>200	23		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		8053		
Particles >6µm		ASTM D7647	>320	<b>^</b> 3094		
Particles >14µm		ASTM D7647	>40	<b>333</b>		
Particles >21µm		ASTM D7647	>10	<u>^</u> 59		
Particles >38µm		ASTM D7647	>3	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/15/12	<u>^</u> 20/19/16		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
A	1/01//	4 OTH 4 DOC 15	0.0			

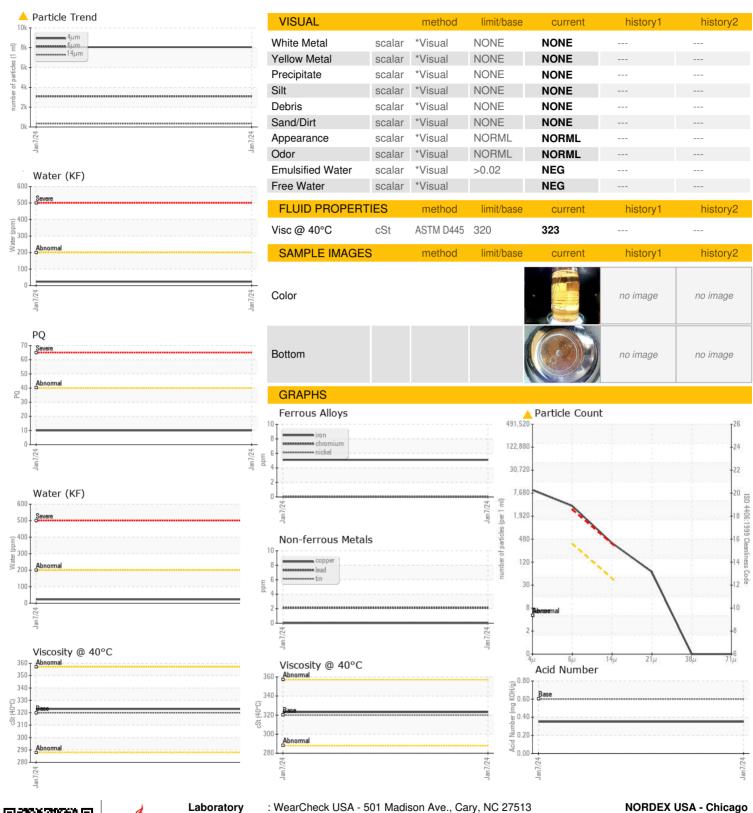
Acid Number (AN)

mg KOH/g ASTM D8045 0.6

Contact/Location: DEVIN LINEHAN - NORDEX



## **OIL ANALYSIS REPORT**





Certificate L2367

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

: NX06054792 : 06054792

Recieved Diagnosed : 10820741

: 10 Jan 2024 Diagnostician : Don Baldridge

: 08 Jan 2024

**Test Package**: IND 2 (Additional Tests: KF, PQ, PrtCount) 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) **NORDEX USA - Chicago** 

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US 60606

Contact: DEVIN LINEHAN DLinehan@nordex-online.com

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Report Id: NORDEX [WUSCAR] 06054792 (Generated: 01/10/2024 10:57:23) Rev: 1

Contact/Location: DEVIN LINEHAN - NORDEX