

## **OIL ANALYSIS REPORT**

### Area AZURE SKY [200007684] **T-17** Component

Wind Turbine Gearbox Elui

FUCHS RENOLIN UNISYN CLP 320 (--- LTR)

#### DIAGNOSIS

#### A Recommendation

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

#### Wear

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.

)		-				
		una nationa ni		Jan 2024	la internet	history.0
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NX06054795		
Sample Date		Client Info		07 Jan 2024		
Nachine Age	hrs	Client Info		0		
Dil Age	hrs	Client Info		0		
Dil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
ŶQ		ASTM D8184	>50	16		
ron	ppm	ASTM D5185m	>30	20		
Chromium	ppm	ASTM D5185m	>3	0		
lickel	ppm	ASTM D5185m	>3	0		
ītanium	ppm	ASTM D5185m	>10	0		
Silver	ppm	ASTM D5185m		0		
luminum	ppm	ASTM D5185m	>30	0		
ead	ppm	ASTM D5185m	>15	<1		
Copper	ppm	ASTM D5185m	>10	<1		
ïn	ppm	ASTM D5185m	>10	0		
/anadium	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		
lolybdenum	ppm	ASTM D5185m		0		
langanese	ppm	ASTM D5185m		0		
lagnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		13		
hosphorus	ppm	ASTM D5185m		200		
linc	ppm	ASTM D5185m		0		
Sulfur		ASTM D5185m		4712		
	ppm	AGTIVI DJ TOJITI		4/12		
CONTAMINANTS	6	method	limit/base	current	history1	history2
ilicon	ppm	ASTM D5185m	>+15	6		
odium	ppm	ASTM D5185m		3		
otassium	ppm	ASTM D5185m	>20	<1		
Vater	%	ASTM D6304	>0.02	0.002		
pm Water	ppm	ASTM D6304	>200	22		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		52110		
articles >6µm		ASTM D7647	>320	<u> </u>		
articles >14µm		ASTM D7647	>40	<u> </u>		
articles >21µm		ASTM D7647	>10	<u> </u>		
Particles >38μm		ASTM D7647	>3	2		
articles >71μm		ASTM D7647	>3	1		
Dil Cleanliness		ISO 4406 (c)	>/15/12	<b>A</b> 23/20/16		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
cid Number (AN)	mg KOH/g	ASTM D8045	0.6	0.33		
	ing itori/g	A0 HM D0040	0.0	0.00		

Contact/Location: DEVIN LINEHAN - NORDEX

Report Id: NORDEX [WUSCAR] 06054795 (Generated: 01/10/2024 10:50:25) Rev: 1

Sample Rating Trend





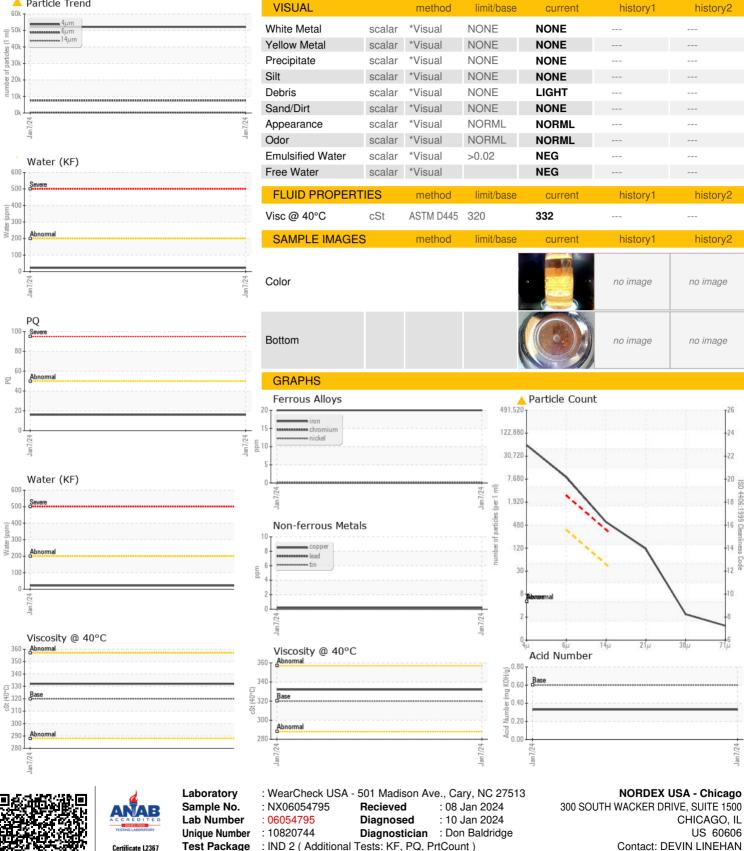
🔺 Particle Trend

ŭ

Water

0

# **OIL ANALYSIS REPORT**



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.

CHICAGO, IL US 60606 Contact: DEVIN LINEHAN DLinehan@nordex-online.com T: (312)386-4124 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

history2

history2

history2

no image

no image

4406

:1999 Cle

7/24

38