

## **OIL ANALYSIS REPORT**

### Area AZURE SKY [200007684] **T-05** 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.

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SAMPLE INFORM			line!t/heese	Jul2023	laiste m d	history O	
		method	limit/base	current	history1	history2	
Sample Number		Client Info		NX06054806			
Sample Date		Client Info		20 Jul 2023			
Achine Age	hrs	Client Info		0			
Dil Age	hrs	Client Info		0			
Dil Changed		Client Info		Not Changd			
Sample Status				ABNORMAL			
WEAR METALS		method	limit/base	current	history1	history2	
ŶQ		ASTM D8184	>40	17			
ron	ppm	ASTM D5185m	>55	10			
Chromium	ppm	ASTM D5185m	>2	0			
lickel	ppm	ASTM D5185m	>2	0			
ītanium	ppm	ASTM D5185m	>10	0			
Silver	ppm	ASTM D5185m		0			
luminum	ppm	ASTM D5185m	>15	0			
ead	ppm	ASTM D5185m	>3	0			
Copper	ppm	ASTM D5185m	>7	0			
ïn	ppm	ASTM D5185m	>3	0			
anadium	ppm	ASTM D5185m		0			
admium	ppm	ASTM D5185m		0			
ADDITIVES		method	limit/base	current	history1	history2	
			in invoase			motoryz	
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			
alcium	ppm	ASTM D5185m		13			
hosphorus	ppm	ASTM D5185m		197			
linc	ppm	ASTM D5185m		0			
Sulfur	ppm	ASTM D5185m		4718			
CONTAMINANTS	5	method	limit/base	current	history1	history2	
ilicon	ppm	ASTM D5185m	>35	6			
odium	ppm	ASTM D5185m		3			
otassium	ppm	ASTM D5185m	>20	<1			
/ater	%	ASTM D6304	>0.02	0.002			
pm Water	ppm	ASTM D6304	>200	24			
FLUID CLEANLIN	VESS	method	limit/base	current	history1	history2	
articles >4µm		ASTM D7647		78359			
articles >6µm		ASTM D7647	>320	<u> </u>			
articles >14µm		ASTM D7647	>40	<b>A</b> 348			
articles >21µm		ASTM D7647	>10	<b>6</b> 50			
articles >38µm		ASTM D7647	>3	1			
articles >71µm		ASTM D7647	>3	1			
oil Cleanliness		ISO 4406 (c)	>/15/12	<b>A</b> 23/21/16			
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2	
cid Number (AN)	mg KOH/g	ASTM D8045	0.6	0.33			
			5.0	0 1 1 1	DD) //		

Contact/Location: DEVIN LINEHAN - NORDEX

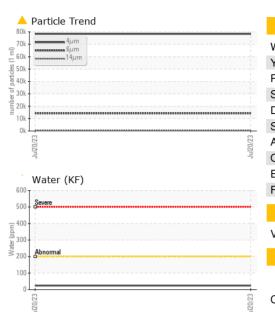
Report Id: NORDEX [WUSCAR] 06054806 (Generated: 01/10/2024 10:54:38) Rev: 1

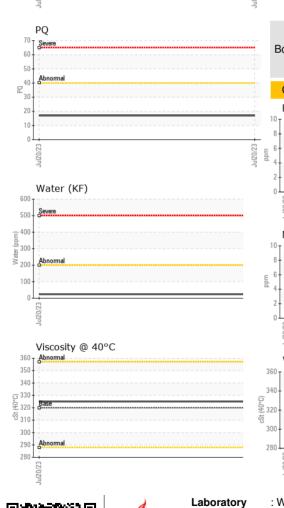
Sample Rating Trend

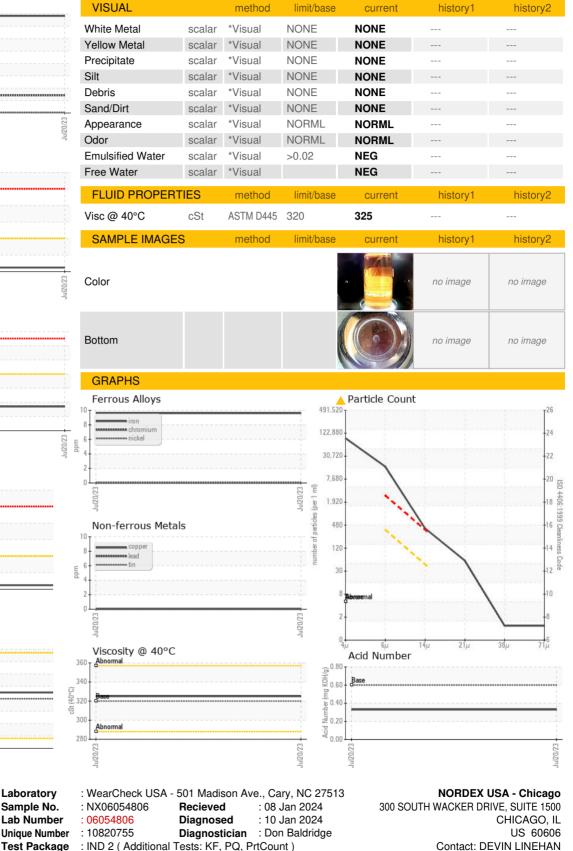


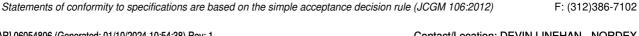


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Certificate L2367

Sample No.

Lab Number

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.

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