

## **OIL ANALYSIS REPORT**

### Area AZURE SKY [200007684] **T-58** Component

Wind Turbine Gearbox Elui

FUCHS RENOLIN UNISYN CLP 320 (650 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.

R)				Jan2024		
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NX06054811		
Sample Date		Client Info		07 Jan 2024		
Machine 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
PQ		ASTM D8184	>40	14		
ron	ppm	ASTM D5185m	>55	6		
Chromium	ppm	ASTM D5185m	>2	0		
Nickel	ppm	ASTM D5185m	>2	0		
Fitanium	ppm	ASTM D5185m	>10	0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>15	0		
ead	ppm	ASTM D5185m	>3	<1		
Copper	ppm	ASTM D5185m	>7	0		
īn	ppm	ASTM D5185m	>3	0		
/anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		6		
Barium	ppm	ASTM D5185m		0		
/lolybdenum	ppm	ASTM D5185m		0		
<i>M</i> anganese	ppm	ASTM D5185m		0		
/lagnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		15		
Phosphorus	ppm	ASTM D5185m		197		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		4667		
	pp		11 1. 11			
CONTAMINANTS		method	limit/base	current	history1	history2
	ppm	ASTM D5185m	>35	<1		
Sodium	ppm	ASTM D5185m		5		
otassium	ppm	ASTM D5185m	>20	<1		
Vater	%	ASTM D6304	>0.02	0.003		
opm Water	ppm	ASTM D6304	>200	40		
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		4071		
Particles >6µm		ASTM D7647	>320	<u> </u>		
Particles >14µm		ASTM D7647	>40	<u> </u>		
Particles >21µm		ASTM D7647	>10	<u> </u>		
Particles >38µm		ASTM D7647	>3	0		
Particles >71µm		ASTM D7647	>3	0		
Dil Cleanliness		ISO 4406 (c)	>/15/12	<b>A</b> 19/18/15		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.6	0.36		
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Contact/Location: DEVIN LINEHAN - NORDEX

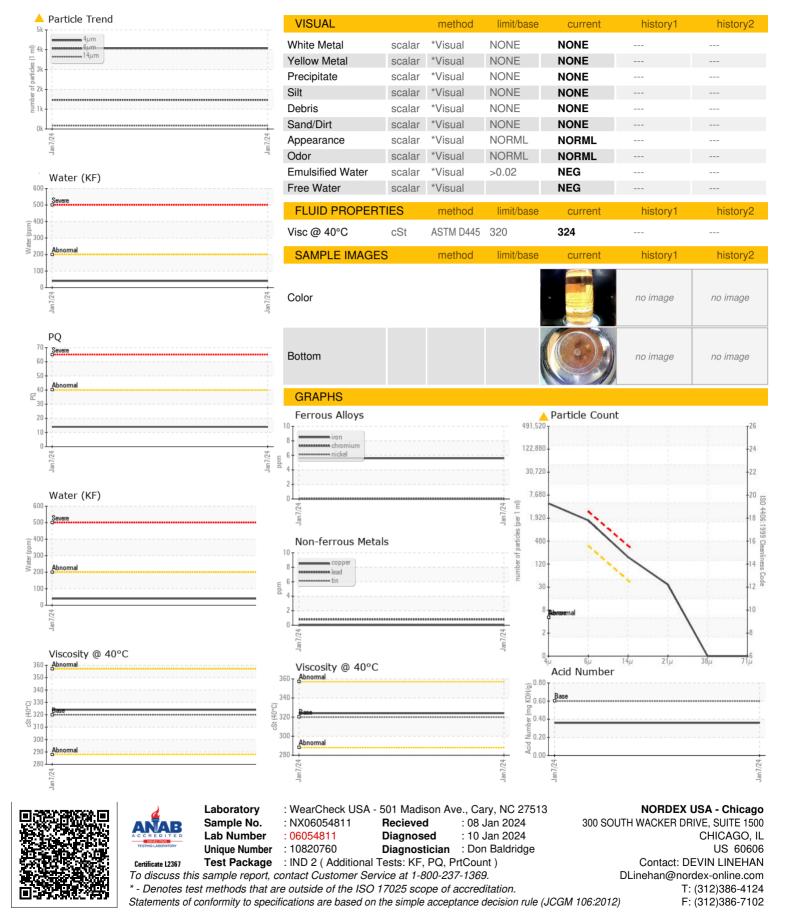
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Sample Rating Trend

ISO



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