

## **OIL ANALYSIS REPORT**

### Area AZURE SKY [200007684] **T-21** 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)				Jun2023		
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SAMPLE INFORM	JATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NX06054815		
Sample Date		Client Info		07 Jun 2023		
Nachine 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
Q		ASTM D8184	>40	17		
on	ppm	ASTM D5185m	>55	0		
hromium	ppm	ASTM D5185m	>2	0		
lickel	ppm	ASTM D5185m	>2	0		
itanium	ppm	ASTM D5185m	>10	0		
ilver	ppm	ASTM D5185m		0		
luminum	ppm	ASTM D5185m	>15	0		
ead	ppm	ASTM D5185m	>3	0		
opper	ppm	ASTM D5185m	>7	<1		
ïn	ppm	ASTM D5185m	>3	0		
anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
oron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
lolybdenum	ppm	ASTM D5185m		0		
langanese	ppm	ASTM D5185m		0		
lagnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		0		
hosphorus	ppm	ASTM D5185m		451		
inc	ppm	ASTM D5185m		0		
ulfur	ppm	ASTM D5185m		3569		
CONTAMINANTS	5	method	limit/base	current	history1	history2
ilicon	ppm	ASTM D5185m		5		
odium	ppm	ASTM D5185m	200	2		
otassium	ppm	ASTM D5185m	>20	- <1		
Vater	%	ASTM D6304		0.007		
pm Water	ppm	ASTM D6304		77		
FLUID CLEANLIN		method	limit/base	current	history1	history2
			iiiiii/base			
articles >4µm		ASTM D7647	> 220	14338		
articles >6µm		ASTM D7647 ASTM D7647	>320 >40	▲ 5576 ▲ 481		
articles >14µm		ASTM D7647 ASTM D7647		▲ 481 ▲ 89		
articles >21μm articles >38μm		ASTM D7647 ASTM D7647	>10 >3	▲ 89 ▲ 3		
articles >36µm		ASTM D7647 ASTM D7647		<u> </u>		
Dil Cleanliness		ISO 4406 (c)	>/15/12	× 21/20/16		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.6	0.92		
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Contact/Location: DEVIN LINEHAN - NORDEX

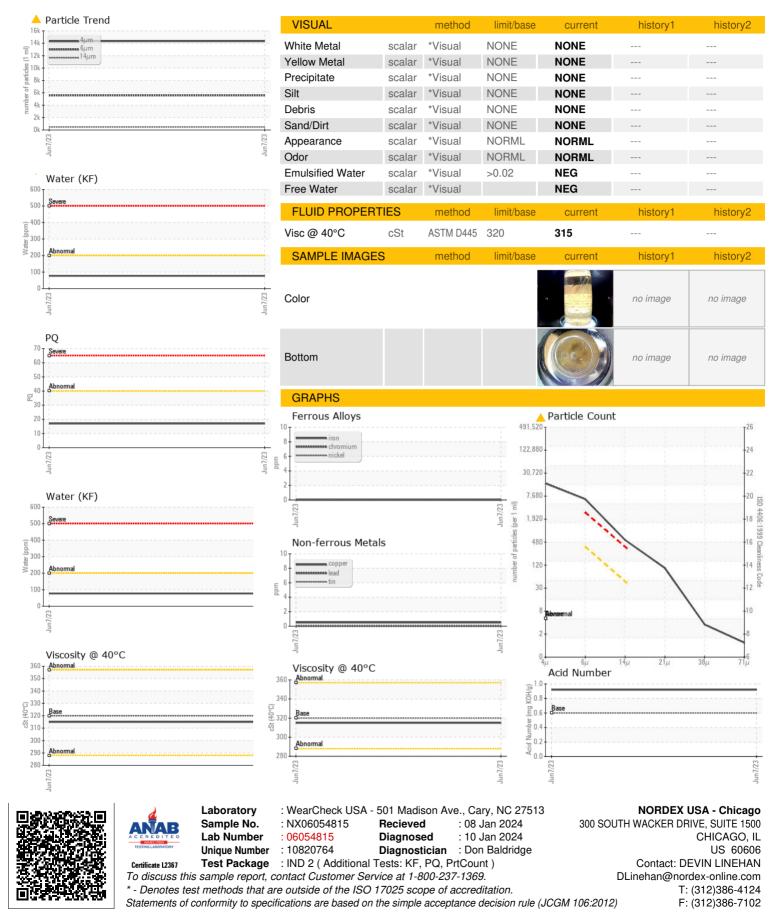
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Sample Rating Trend





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