

## **OIL ANALYSIS REPORT**

### Area AZURE SKY [200007684] **T-28** Component

Wind Turbine Gearbox Elui

FUCHS RENOLIN UNISYN CLP 320 (650 LT

#### DIAGNOSIS

#### Recommendation

We recommend you service the filters on this component. 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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n <i>)</i>				Jan2024		
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NX06054787		
Sample Date		Client Info		07 Jan 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>40	20		
Iron	ppm	ASTM D5185m	>55	16		
Chromium	ppm	ASTM D5185m	>2	0		
Nickel	ppm	ASTM D5185m	>2	0		
Titanium	ppm	ASTM D5185m	>10	0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>15	0		
Lead	ppm	ASTM D5185m	>3	0		
Copper	ppm	ASTM D5185m	>7	<1		
Tin	ppm	ASTM D5185m	>3	0		
Vanadium	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		
Volybdenum	ppm	ASTM D5185m		0		
Vanganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		13		
Phosphorus	ppm	ASTM D5185m		198		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		4654		
CONTAMINANTS		method	limit/base	current	history1	history2
					Thistory	Thistory 2
Silicon	ppm	ASTM D5185m	>30	6		
Sodium	ppm	ASTM D5185m	00	4		
Potassium	ppm	ASTM D5185m ASTM D6304	>20	0 0.002		
Water	%	ASTM D6304 ASTM D6304	>0.02			
opm Water	ppm		>200	21		
FLUID CLEANLIN	1255	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	000	121805		
Particles >6µm		ASTM D7647		▲ 34750		
Particles >14µm		ASTM D7647	>40	▲ 570		
Particles >21µm		ASTM D7647	>10	▲ 106		
Particles >38µm		ASTM D7647	>3	3		
Particles >71µm		ASTM D7647		0		
Oil Cleanliness		ISO 4406 (c)	>/15/12	<b>A</b> 24/22/16		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.6	0.35		

Contact/Location: DEVIN LINEHAN - NORDEX

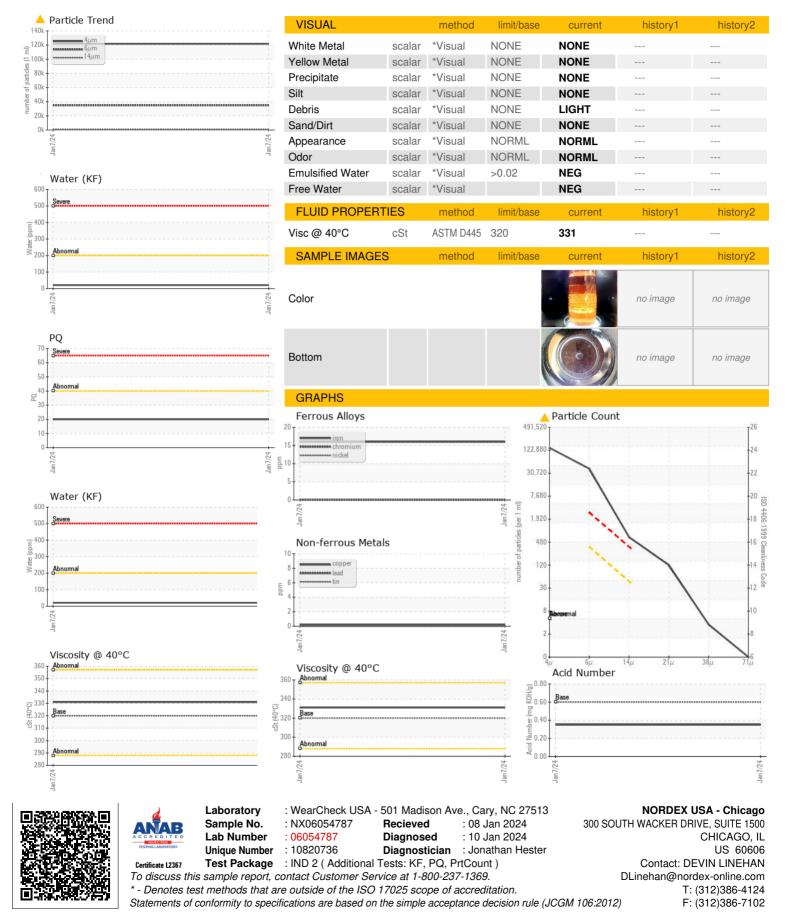
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Sample Rating Trend





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