

OIL ANALYSIS REPORT

AFRA ZURE SKY [200007684] **T-65** Component

Wind Turbine Gearbox Flu

FUCHS RENOLIN UNISYN CLP 320 (650 LTR)

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

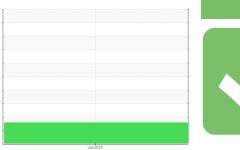
All component wear rates are normal.

Contamination

There is a moderate 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.



Sample Rating Trend

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NX06054850		
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				ATTENTION		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>50	13		
Iron	ppm	ASTM D5185m	>30	7		
Chromium	ppm	ASTM D5185m	>3	0		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>10	0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>30	0		
Lead	ppm	ASTM D5185m	>15	1		
Copper	ppm	ASTM D5185m	>10	0		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		9		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		17		
Phosphorus	ppm	ASTM D5185m		202		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		4758		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+15	2		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D6304	>0.02	0.003		
ppm Water	ppm	ASTM D6304	>200	37		

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		1926		
Particles >6µm	ASTM D7647	>320	608		
Particles >14µm	ASTM D7647	>40	4 76		
Particles >21µm	ASTM D7647	>10	a 20		
Particles >38µm	ASTM D7647	>3	1		
Particles >71µm	ASTM D7647	>3	0		
Oil Cleanliness	ISO 4406 (c)	>/15/12	18/16/13		

FLUID DEGRADATION method Acid Number (AN)

mg KOH/g ASTM D8045 0.6

0.31

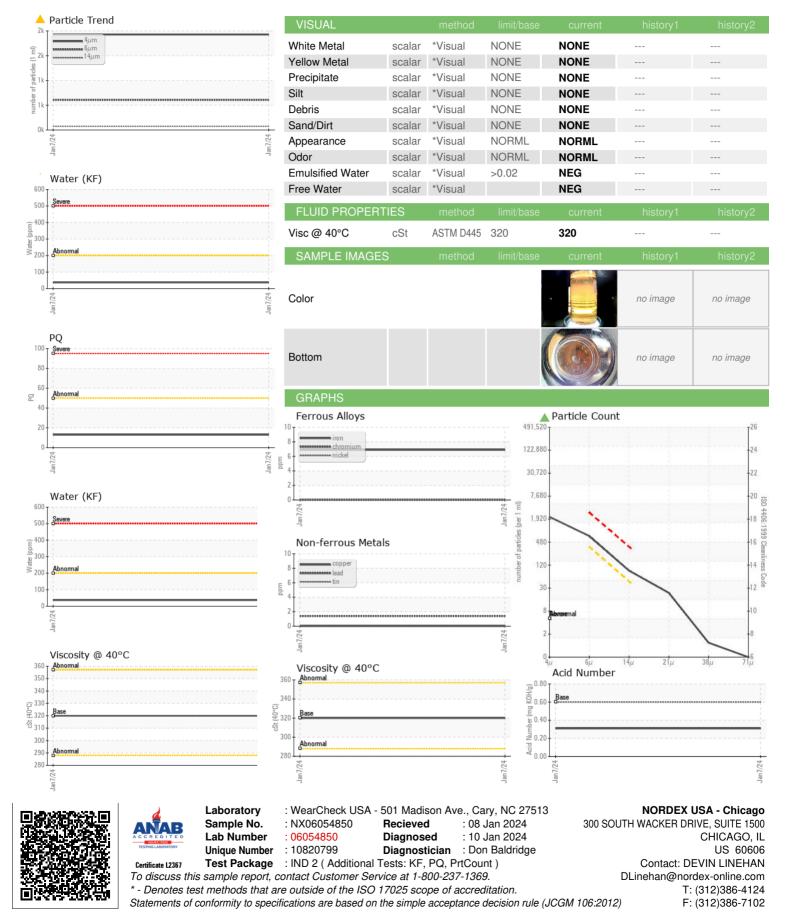
Report Id: NORDEX [WUSCAR] 06054850 (Generated: 01/10/2024 10:53:38) Rev: 1

Contact/Location: DEVIN LINEHAN - NORDEX

ISO



OIL ANALYSIS REPORT



Contact/Location: DEVIN LINEHAN - NORDEX