

OIL ANALYSIS REPORT

AFRA ZURE SKY [200007684] **T-30** 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		un este e el		Jan2024	la la tament	history O
	ATION	method	limit/base		history1	history2
Sample Number		Client Info		NX06054834		
Sample Date	hrs	Client Info Client Info		07 Jan 2024		
Machine Age Oil Age	hrs	Client Info		0		
Oil Changed	1115	Client Info		N/A		
Sample Status		Client into		ABNORMAL		
WEAR METALS		method	limit/base	-	history1	history2
PQ		ASTM D8184	>50	12		
Iron	ppm	ASTM D0104 ASTM D5185m	>30	6		
Chromium		ASTM D5185m	>3	0		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>10	0		
Silver	ppm	ASTM D5185m	210	0		
	ppm	ASTM D5185m	>30	-		
Aluminum	ppm	ASTM D5185m		0 3		
Lead	ppm	ASTM D5185m ASTM D5185m	>15 >10	3		
Copper Tin	ppm	ASTM D5185m		0		
	ppm		>10	-		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		8		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Vanganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		15		
Phosphorus	ppm	ASTM D5185m		201		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		4643		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+15	5		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304	>0.02	0.002		
ppm Water	ppm	ASTM D6304	>200	22		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		9632		
Particles >6µm		ASTM D7647	>320	<u> </u>		
Particles >14µm		ASTM D7647	>40	4 141		
Particles >21µm		ASTM D7647	>10	<mark>/</mark> 29		
Particles >38µm		ASTM D7647	>3	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/15/12	20/18/14		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.6	0.35		
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Contact/Location: DEVIN LINEHAN - NORDEX

Report Id: NORDEX [WUSCAR] 06054834 (Generated: 01/10/2024 10:50:49) Rev: 1

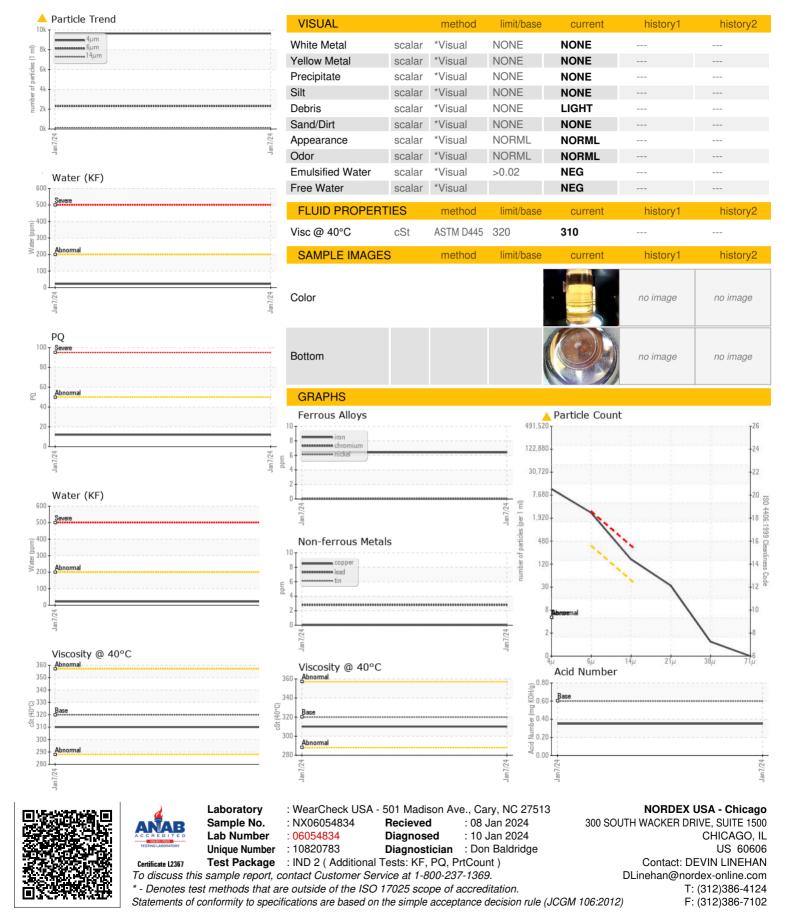
Page 1 of 2

Sample Rating Trend





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