

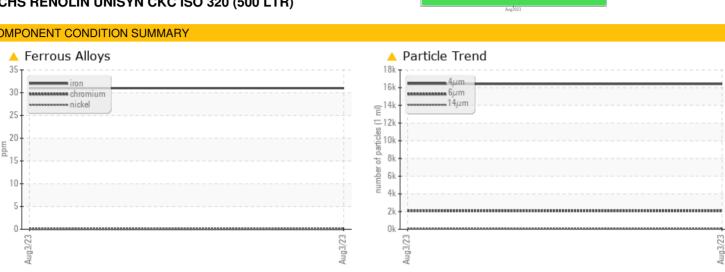
PROBLEM SUMMARY

EL SAUZ L01WEA90058 (S/N GME004427A-79) Component

Wind Turbine Gearbox Flui

FUCHS RENOLIN UNISYN CKC ISO 320 (500 LTR)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

THODELMATIO	LOTIN	.00210			
Sample Status				ABNORMAL	
Iron	ppm	ASTM D5185m	>30	<mark>/</mark> 31	
Particles >6µm		ASTM D7647	>320	<u> </u>	
Particles >14µm		ASTM D7647	>40	<u> </u>	
Particles >21µm		ASTM D7647	>10	<mark>人</mark> 18	
Oil Cleanliness		ISO 4406 (c)	>/15/12	<u> </u>	

Sample Rating Trend

WEAR

Customer Id: NORDEX Sample No.: NX014526 Lab Number: 05924854 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 ihester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

Page 1 of 4

RECOMMENDED AC	IENDED ACTIONS					
Action	Status	Date	Done By	Description		
Change Filter			?	We recommend you service the filters on this component.		

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

EL SAUZ L01WEA90058 (S/N GME004427A-79) Component

Wind Turbine Gearbox Fluid

FUCHS RENOLIN UNISYN CKC ISO 320 (500

DIAGNOSIS

A Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

A Wear

The iron level is abnormal. All other 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.

4427A-79)					
0 LTR)		-				
				Aug2023		
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NX014526		
ample Date		Client Info		03 Aug 2023		
lachine Age	hrs	Client Info		0		
Dil Age	hrs	Client Info		0		
Dil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
ŶQ		ASTM D8184	>50	13		
ron	ppm	ASTM D5185m	>30	<u> </u>		
Chromium	ppm	ASTM D5185m	>3	<1		
lickel	ppm	ASTM D5185m	>3	0		
ītanium	ppm	ASTM D5185m	>10	0		
Silver	ppm	ASTM D5185m		0		
Numinum	ppm	ASTM D5185m	>30	<1		
ead	ppm	ASTM D5185m	>15	<1		
Copper	ppm	ASTM D5185m	>10	<1		
- in	ppm	ASTM D5185m	>10	0		
/anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	ourropt	history1	history?
				current	history1	history2
Boron	ppm	ASTM D5185m	25	2		
Barium	ppm	ASTM D5185m		0		
Nolybdenum	ppm	ASTM D5185m		0		
langanese	ppm	ASTM D5185m		<1		
<i>l</i> agnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m	17	16		
Phosphorus	ppm	ASTM D5185m	200	212		
linc	ppm	ASTM D5185m		4		
Sulfur	ppm	ASTM D5185m	5000	4928		
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+15	7		
Sodium	ppm	ASTM D5185m		0		
otassium	ppm	ASTM D5185m	>20	<1		
Vater	%	ASTM D6304	>0.02	0.002		
opm Water	ppm	ASTM D6304	>200	22.1		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		16419		
Particles >6µm		ASTM D7647	>320	<u> </u>		
articles >14µm		ASTM D7647	>40	<mark>/</mark> 78		
Particles >21µm		ASTM D7647	>10	<u> </u>		
Particles >38µm		ASTM D7647	>3	2		
articles >71µm		ASTM D7647	>3	0		
Dil Cleanliness		ISO 4406 (c)	>/15/12	A 21/18/13		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
cid Number (AN)	mg KOH/g	ASTM D8045	0.9	0.34		
		20010			5	

Contact/Location: DEVIN LINEHAN - NORDEX

Page 3 of 4

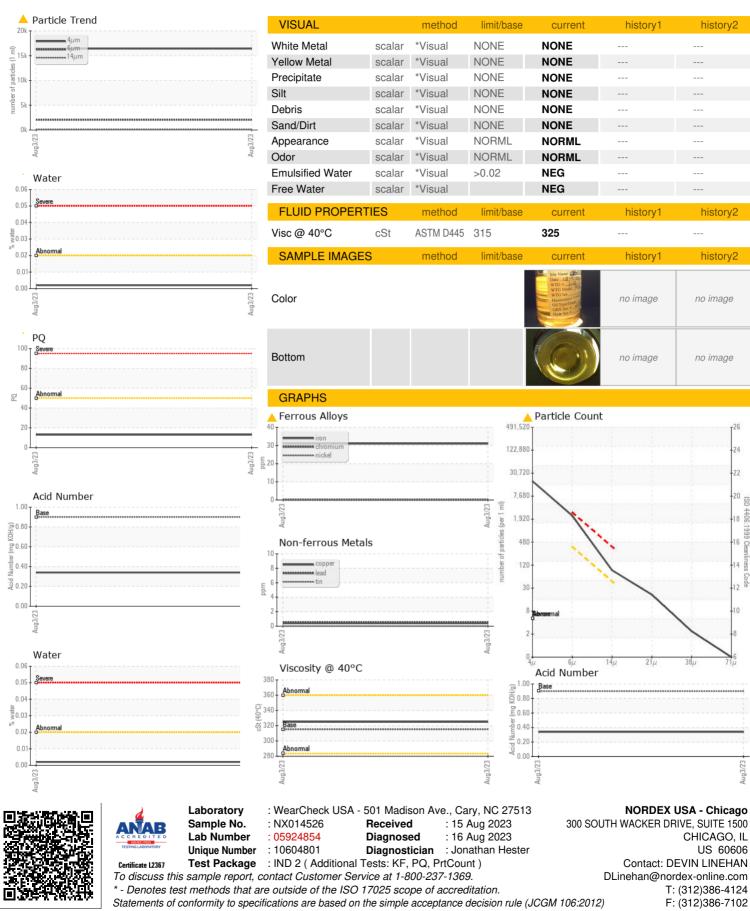
Report Id: NORDEX [WUSCAR] 05924854 (Generated: 08/16/2023 15:04:47) Rev: 1

WEAR

Sample Rating Trend



OIL ANALYSIS REPORT



Contact/Location: DEVIN LINEHAN - NORDEX

US 60606

history2

history

history2

no image

no image

4406

:1999 Cle

14