

PROBLEM SUMMARY

Area EL SAUZ [US-SAUZ-01-US-5] Machine Id D01-WEA90037 (S/N W-122996) Component

Wind Turbine Gearbox

FUCHS RENOLIN UNISYN CLP 320 (--- LTR)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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

PROBLEMATIC TE	ST RESULTS			
Sample Status			ABNORMAL	
Particles >6µm	ASTM D7647	>320	A 2567	
Particles >14µm	ASTM D7647	>40	<u> </u>	
Particles >21µm	ASTM D7647	>10	<u> </u>	
Oil Cleanliness	ISO 4406 (c)	>/15/12	A 21/19/14	

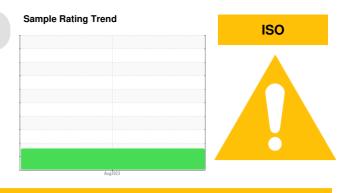
Customer Id: NORDEX Sample No.: NX014501 Lab Number: 05933554 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

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



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

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Area **EL** SAUZ [US-SAUZ-01-US-5] Machine Id **D01-WEA90037 (S/N W-122996)** Component

Wind Turbine Gearbox

FUCHS RENOLIN UNISYN CLP 320 (--- LTR)

DIAGNOSIS

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		method	limit/base	current	history1	history2
			IIIIII/Dase			TIIStory2
Sample Number		Client Info		NX014501		
ample Date	la un	Client Info		10 Aug 2023		
Machine Age	hrs	Client Info		0		
Dil Age	hrs	Client Info		0		
Dil Changed		Client Info				
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
ŶQ		ASTM D8184	>40	9		
on	ppm	ASTM D5185m	>55	21		
Chromium	ppm	ASTM D5185m	>2	0		
lickel	ppm	ASTM D5185m		0		
ītanium	ppm	ASTM D5185m	>10	0		
liver	ppm	ASTM D5185m		0		
luminum	ppm	ASTM D5185m	>15	0		
ead	ppm	ASTM D5185m	>3	2		
Copper	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
Boron	ppm	ASTM D5185m		2		
Barium	ppm	ASTM D5185m		2		
lolybdenum	ppm	ASTM D5185m		0		
langanese	ppm	ASTM D5185m		<1		
lagnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		18		
hosphorus	ppm	ASTM D5185m		221		
linc	ppm	ASTM D5185m		4		
Gulfur	ppm	ASTM D5185m		5293		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	8		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	2		
Vater	%	ASTM D6304	>0.02	0.00		
opm Water	ppm	ASTM D6304	>200	0.00		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		13207		
Particles >6µm		ASTM D7647	>320	🔺 2567		
Particles >14µm		ASTM D7647	>40	<u> </u>		
Particles >21µm		ASTM D7647	>10	<u> </u>		
Particles >38µm		ASTM D7647	>3	1		
Particles >71µm		ASTM D7647	>3	0		
Dil Cleanliness		ISO 4406 (c)	>/15/12	A 21/19/14		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN) mg KOH/g ASTM D8045 0.6

0.38

Contact/Location: DEVIN LINEHAN - NORDEX

Report Id: NORDEX [WUSCAR] 05933554 (Generated: 08/25/2023 20:25:13) Rev: 1

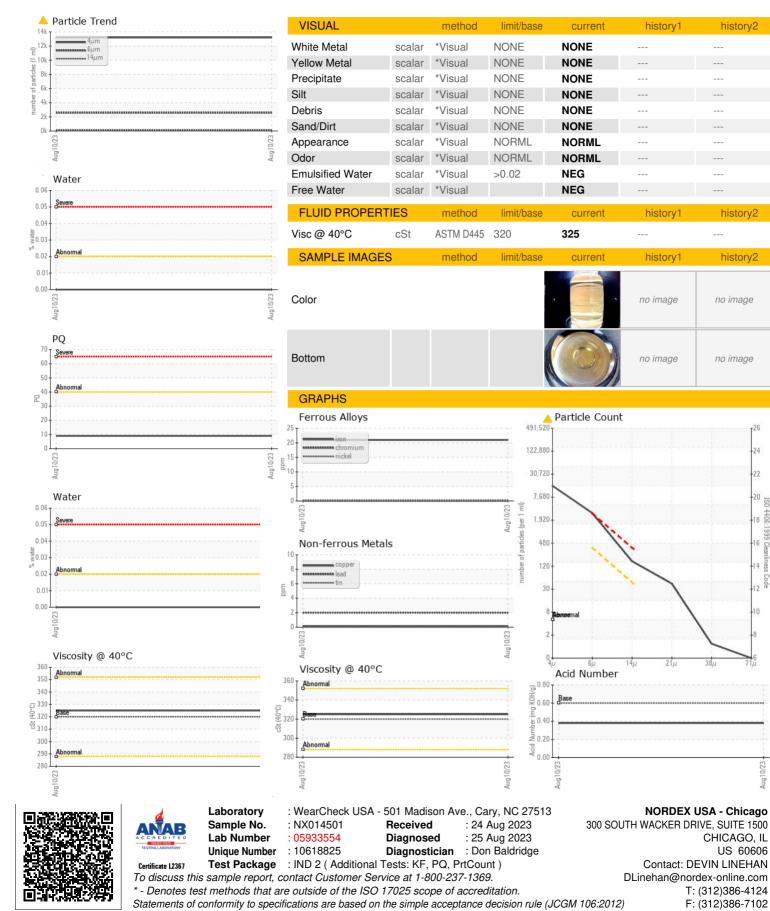
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Sample Rating Trend





OIL ANALYSIS REPORT



Contact/Location: DEVIN LINEHAN - NORDEX

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history2

history

history2

no image

no image

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