

PROBLEM SUMMARY

EL SAUZ [US-SAUZ-01-US-5] Machine Id E06-WEA90038 (S/N W-122891)

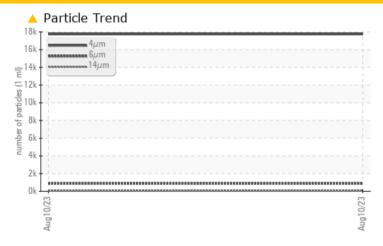
Component

Wind Turbine Gearbox

FUCHS RENOLIN UNISYN CLP 320 (--- LTR)

Sample Rating Trend ISO Aug/2023

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS									
Sample Status			ABNORMAL						
Particles >6µm	ASTM D7647	>320	<u></u> 4879						
Particles >14μm	ASTM D7647	>40	▲ 58						
Particles >21µm	ASTM D7647	>10	<u> </u>						
Oil Cleanliness	ISO 4406 (c)	>/15/12	21/17/13						

Customer Id: NORDEX Sample No.: NX014506 Lab Number: 05933557 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldridge +1 don.b505@comcast.net

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

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

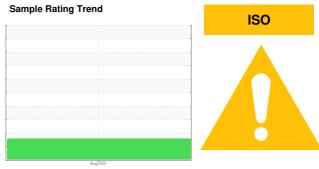


OIL ANALYSIS REPORT

EL SAUZ [US-SAUZ-01-US-5] E06-WEA90038 (S/N W-122891)

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.

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

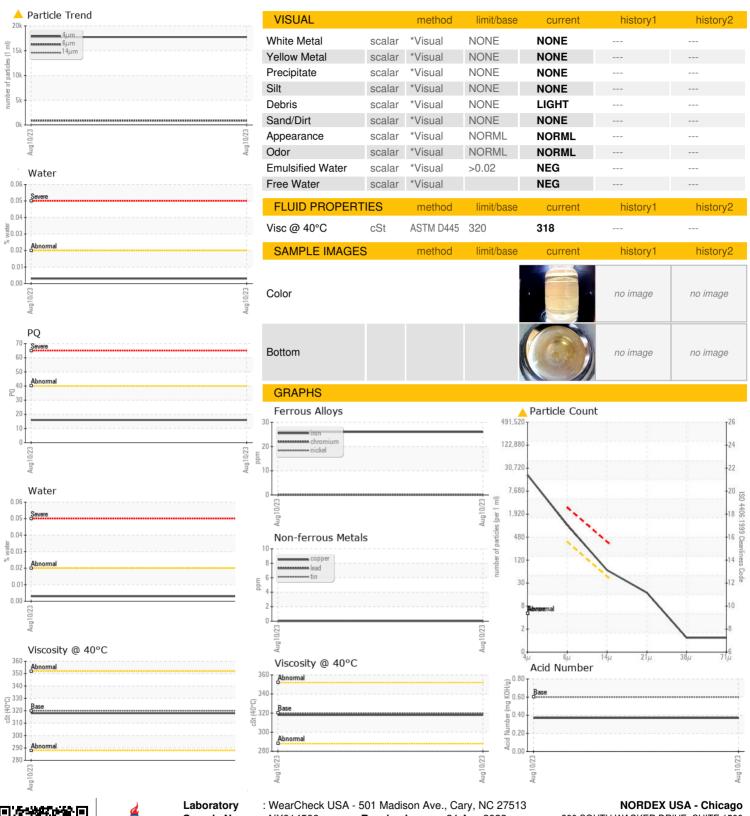
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

3)				Aug2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NX014506		
Sample Date		Client Info		10 Aug 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>40	16		
Iron	ppm	ASTM D5185m	>55	26		
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	0		
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		1		
Barium	ppm	ASTM D5185m		2		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		16		
Phosphorus	ppm	ASTM D5185m		217		
Zinc	ppm	ASTM D5185m		8		
Sulfur	ppm	ASTM D5185m		5254		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	6		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	2		
Water	%	ASTM D6304	>0.02	0.003		
ppm Water	ppm	ASTM D6304	>200	29.2		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		17746		
Particles >6µm		ASTM D7647	>320	<u> </u>		
Particles >14μm		ASTM D7647	>40	<u>▲</u> 58		
Particles >21µm		ASTM D7647	>10	<u> </u>		
Particles >38µm		ASTM D7647	>3	1		
Particles >71µm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>/15/12	<u>21/17/13</u>		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
	1/011/	4.0T1.1.D00.15				



OIL ANALYSIS REPORT





Certificate L2367

Sample No. Lab Number **Unique Number**

: NX014506

: 05933557 : 10618828 Received : 24 Aug 2023 Diagnosed

: 25 Aug 2023 Diagnostician : Don Baldridge

Test Package: IND 2 (Additional Tests: KF, PQ, PrtCount)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

300 SOUTH WACKER DRIVE, SUITE 1500 CHICAGO, IL

> US 60606 Contact: DEVIN LINEHAN

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Report Id: NORDEX [WUSCAR] 05933557 (Generated: 08/25/2023 20:27:13) Rev: 1

Contact/Location: DEVIN LINEHAN - NORDEX