

PROBLEM SUMMARY

PRIDDY [200005313] Machine Id

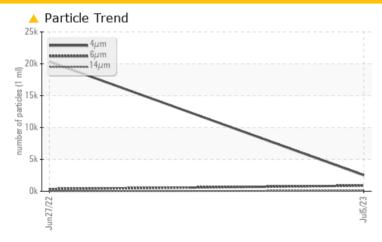
H2

Component
Wind Turbine Gearbox

FUCHS RENOLIN UNISYN CLP 320 (--- LTR)

Sample Rating Trend ISO

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	NORMAL				
Particles >6µm	ASTM D7647	>320	<u></u> 4879	343				
Particles >14μm	ASTM D7647	>40	73	29				
Particles >21µm	ASTM D7647	>10	<u> </u>	8				
Oil Cleanliness	ISO 4406 (c)	>/15/12	19/17/13	22/16/12				

Customer Id: NORDEX Sample No.: NX010218 Lab Number: 05933562 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.

HISTORICAL DIAGNOSIS

27 Jun 2022 Diag: Don Baldridge

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

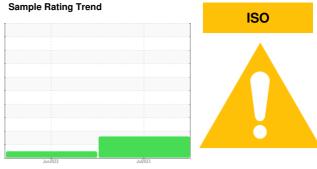
PRIDDY [200005313]

H2

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.

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.

)			Jun2022	Jul2023		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NX010218	NX05596466	
Sample Date		Client Info		05 Jul 2023	27 Jun 2022	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>50	14	20	
Iron	ppm	ASTM D5185m	>30	15	8	
Chromium	ppm	ASTM D5185m	>3	0	0	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m	>10	0	0	
Silver	ppm	ASTM D5185m		0	<1	
Aluminum	ppm	ASTM D5185m	>30	0	0	
Lead	ppm	ASTM D5185m	>15	2	1	
Copper	ppm	ASTM D5185m	>10	<1	<1	
Tin	ppm	ASTM D5185m	>10	0	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		7	11	
Barium	ppm	ASTM D5185m		2	0	
Molybdenum	ppm	ASTM D5185m		0	<1	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		<1	<1	
Calcium	ppm	ASTM D5185m		25	21	
Phosphorus	ppm	ASTM D5185m		206	175	
Zinc	ppm	ASTM D5185m		9	2	
Sulfur	ppm	ASTM D5185m		5015	4677	
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+15	4	4	
Sodium	ppm	ASTM D5185m		0	<1	
Potassium	ppm	ASTM D5185m	>20	1	<1	
Water	%	ASTM D6304	>0.02	0.003	0.010	
ppm Water	ppm	ASTM D6304	>200	30.0	102.8	
FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		2515	20345	
Particles >6µm		ASTM D7647	>320	A 879	343	
Particles >14μm		ASTM D7647	>40	7 3	29	
Particles >21µm		ASTM D7647	>10	<u> </u>	8	
Particles >38μm		ASTM D7647	>3	1	1	
Particles >71μm		ASTM D7647	>3	0	1	
Oil Cleanliness		ISO 4406 (c)	>/15/12	19/17/13	22/16/12	
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
A	1/011/	1071100015				

Acid Number (AN)

mg KOH/g ASTM D8045 0.6

0.09



OIL ANALYSIS REPORT





Sample No. Lab Number **Unique Number**

: NX010218 : 05933562

: 10618833

Received Diagnosed

: 24 Aug 2023 : 25 Aug 2023

Diagnostician : Don Baldridge **Test Package**: IND 2 (Additional Tests: KF, PQ, PrtCount)

Certificate L2367 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)

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