

# **OIL ANALYSIS REPORT**

Sample Rating Trend

ISO

#### Area MARYNEAL [200006807] Machine Id 87021 SITE 2 Component

Wind Turbine Gearbox

FUCHS RENOLIN UNISYN CLP 320 (650 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.

current		
	history1	history2
(06054855	NX009278	
Jul 2023	10 Jan 2022	
	0	
	0	
Α	N/A	
BNORMAL	ABNORMAL	
current	history1	history2
12	16	
5	14	
0	<1	
0	0	
0	0	
0	<1	
0	11	
2	<1	
<1	<1	
0	<1	
	0	
0	0	
0	0	
current	history1	history2
4	8	
0	0	
0	0	
0	<1	
0	0	
10	19	
177	206	
0	0	
4489	4093	
current	history1	history2
16	10	
4	0	
0	<1	
0.002	0.003	
25	25.7	
current	history1	history2
14074	201157	
3680	<b>48496</b>	
283	235	
	33	
	0	
1	0	
	0	
	current 14074 3680 283 54 1	current history1   14074 201157   3680 ▲ 48496   283 235   54 33   1 0



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	FLUID DEGRAD	ATION	method	limit/base	current	history1	histor
4μm 	Acid Number (AN)	mg KOH/g	ASTM D8045	0.6	0.33	0.37	
	VISUAL		method	limit/base	current	history1	histor
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
	Precipitate	scalar	*Visual	NONE	NONE	NONE	
7770	-	scalar	*Visual	NONE	NONE	NONE	
ZZ/UT Inc.	Debris	scalar	*Visual	NONE	LIGHT	LIGHT	
Water (KF)	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
Severe 9	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.02	NEG	NEG	
	Free Water	scalar	*Visual		NEG	NEG	
Abnormal	FLUID PROPER	<b>FIES</b>	method	limit/base	current	history1	histor
	Visc @ 40°C	cSt	ASTM D445	320	318	317	
		S	method	limit/base	current	history1	histor
	5						
2Q Severe	Color						no imag
Abnormal				1	A CONTRACT		
	Bottom						no imag
	GRAPHS						
77/01 uer	Ferrous Alloys				Particle Coun	:	
	15 15 iron			491,520			
Water (KF)	10-			122,880	-		
Sources	5-			30,720			
Severe G	0	*****					
	Jan 10/22			(per 1 ml 056'1			
Abnormal	,	L		6			
0-11-11-11-11-11-11-11-11-11-11-11-11-11	Non-ferrous Meta	IS		offine 480	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	copper			jo ang 120	† ``		
77 0	8. 5-			a 30	-		
77/i) Lubr	***************************************			8	Bioreman		
/iscosity @ 40°C	0/22			2/53	I		
Abnormal	Jan1(			Jul26/23			-
	Viscosity @ 40°C			4	ہوں۔ Acid Number	14μ 21μ	38µ 7
	360 Abnormal			。 第0.80	Τ		
Base	340 - Base			(DHO) 0.60	Base		
	°€ 320 - Base 300 - Abaamad			ba 0.40			
lbnormal	Abnormai			NU 0.20	1		
	280			00.0 Acid	0/22		
	Jan 10/22			Jul26/23	Jan 10/22		
, 				NO 077 (5		Non-	
Laboratory	: WearCheck USA - : NX06054855	501 Madia <b>Recieve</b> o		ıry, NC 27513 Jan 2024		NORDEX L JTH WACKER DRI	
		Recieved Diagnos		Jan 2024 Jan 2024	300 500		CHICAG
Sample No.							
Sample No. Lab Number Unique Number		•	t <b>ician</b> : Dor	n Baldridge			US 60
Lab Number	er :10820804 e :IND 2(Additional T	Diagnost ests: KF,	PQ, PrtCour	nt)		Contact: DE DLinehan@nord	VIN LINE

Contact/Location: DEVIN LINEHAN - NORDEX