

OIL ANALYSIS REPORT

Area AZURE SKY [200007684] **T-45** Component

Wind Turbine Gearbox Elui

FUCHS RENOLIN UNISYN CLP 320 (650 LTI

DIAGNOSIS

A 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.

			Jan2024		
IATION	method	limit/base	current	history1	history2
	Client Info		NX06054804		
	Client Info		07 Jan 2024		
hrs	Client Info		0		
hrs	Client Info		0		
	Client Info		Not Changd		
			ABNORMAL		
	method	limit/base	current	history1	history2
	ASTM D8184	>40	13		
ppm	ASTM D5185m	>55	40		
ppm	ASTM D5185m	>2	0		
ppm	ASTM D5185m	>2	0		
ppm	ASTM D5185m	>10	0		
ppm	ASTM D5185m		0		
ppm	ASTM D5185m	>15	0		
ppm	ASTM D5185m	>3	0		
ppm	ASTM D5185m	>7	<1		
ppm	ASTM D5185m	>3	0		
ppm	ASTM D5185m		0		
ppm	ASTM D5185m		0		
	method	limit/base	current	history1	history2
ppm	ASTM D5185m		6		
ppm	ASTM D5185m		0		
ppm	ASTM D5185m		0		
	ASTM D5185m ASTM D5185m		0		
ppm			-		
ppm ppm	ASTM D5185m		0		
ppm ppm ppm	ASTM D5185m ASTM D5185m		0		
ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		0 0 5		
ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 0 5 204		
ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	0 0 5 204 0	 	
ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >35	0 0 5 204 0 4763	 	
ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method		0 0 5 204 0 4763 current	 history1	 history2
ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m		0 0 5 204 0 4763 current 5	 history1 	 history2
ppm of the second secon	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	>35	0 0 5 204 0 4763 current 5 5 5	 history1 	 history2
ppm of the second secon	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>35 >20	0 0 5 204 0 4763 <u>current</u> 5 5 < 5 <	 history1 	 history2
ppm ppm ppm ppm ppm ppm ppm ppm ppm %	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>35 >20 >0.02	0 0 5 204 0 4763 <u>current</u> 5 5 <1 0.002	 history1 	 history2
ppm ppm ppm ppm ppm ppm ppm ppm ppm % ppm	ASTM D5185m ASTM D6304	>35 >20 >0.02 >200	0 0 5 204 0 4763 <u>current</u> 5 5 5 <1 0.002 21	 history1 	 history2
ppm ppm ppm ppm ppm ppm ppm ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 Method	>35 >20 >0.02 >200	0 0 5 204 0 4763 <i>current</i> 5 5 5 <1 0.002 21 <i>current</i>	 history1 history1	 history2 history2
ppm ppm ppm ppm ppm ppm ppm ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 ASTM D6304	>35 >20 >0.02 >200 limit/base	0 0 5 204 0 4763 current 5 5 5 <1 0.002 21 current 8798	 history1 history1	 history2 history2
ppm ppm ppm ppm ppm ppm ppm ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647	>35 >20 >0.02 >200 limit/base >320	0 0 5 204 0 4763 current 5 5 5 <1 0.002 21 current 8798 ▲ 1520	 history1 history1 	 history2 history2
ppm ppm ppm ppm ppm ppm ppm ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647	>35 >20 >0.02 >200 limit/base >320 >40	0 0 5 204 0 4763 <u>current</u> 5 5 5 <1 0.002 21 current 8798 8798 ▲ 1520 ▲ 53	 history1 history1	 history2 history2
ppm ppm ppm ppm ppm ppm ppm ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>35 >20 >0.02 >200 limit/base >320 >40 >10	0 0 5 204 0 4763 <u>current</u> 5 5 5 <1 0.002 21 <u>current</u> 8798 ▲ 1520 ▲ 53 ≤1 3	 history1 history1	 history2 history2 history2
ppm ppm ppm ppm ppm ppm ppm ppm ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>35 >20 >0.02 >200 limit/base >320 >40 >10 >3	0 0 5 204 0 4763 current 5 5 5 <1 0.002 21 current 8798 ▲ 1520 ▲ 53 13 2	 history1 history1 	 history2 history2
ppm ppm ppm ppm ppm ppm ppm ppm ppm % ppm	ASTM D5185m ASTM D5047 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>35 >20 >0.02 >200 limit/base >320 >40 >10 >3 >3	0 0 5 204 0 4763 current 5 5 <1 0.002 21 current 8798 ▲ 1520 ▲ 53 ▲ 13 2 1	history1 <p< td=""><td> history2 history2 -</td></p<>	 history2 history2 -
	hrs hrs hrs ppm ppm ppm ppm ppm ppm ppm ppm ppm pp	Client Info Client Info hrs Client Info Client Info ASTM D5185m ppm ASTM D5185m ppm ASTM D5185m ppm ASTM D5185m	ATIONmethodlimit/baseClient InfoClient InfohrsClient InfohrsClient InfohrsClient InfoClient InfoClient InfoClient InfoClient InfoClient InfoImit/baseASTM D5185mS55ppmASTM D5185mppmASTM D5185m	Client Info NX06054804 Client Info 07 Jan 2024 hrs Client Info 0 hrs Client Info 0 Client Info 0 Not Changd hrs Client Info Not Changd Client Info Mot Changd ABNORMAL Client Info Imit/base current ASTM D8184 >40 13 ppm ASTM D5185m >55 40 ppm ASTM D5185m >2 0 ppm ASTM D5185m >2 0 ppm ASTM D5185m >10 0 ppm ASTM D5185m >10 0 ppm ASTM D5185m >15 0 ppm ASTM D5185m >3 0 ppm <t< td=""><td>ATIONmethodlimit/basecurrenthistory1Client InfoNX06054804Client Info07 Jan 2024hrsClient Info0hrsClient Info0Client Info0Client InfoNot ChangdClient InfoNot ChangdClient InfoMaBNORMALMather Mather Mather</td></t<>	ATIONmethodlimit/basecurrenthistory1Client InfoNX06054804Client Info07 Jan 2024hrsClient Info0hrsClient Info0Client Info0Client InfoNot ChangdClient InfoNot ChangdClient InfoMaBNORMALMather Mather

Sample Rating Trend

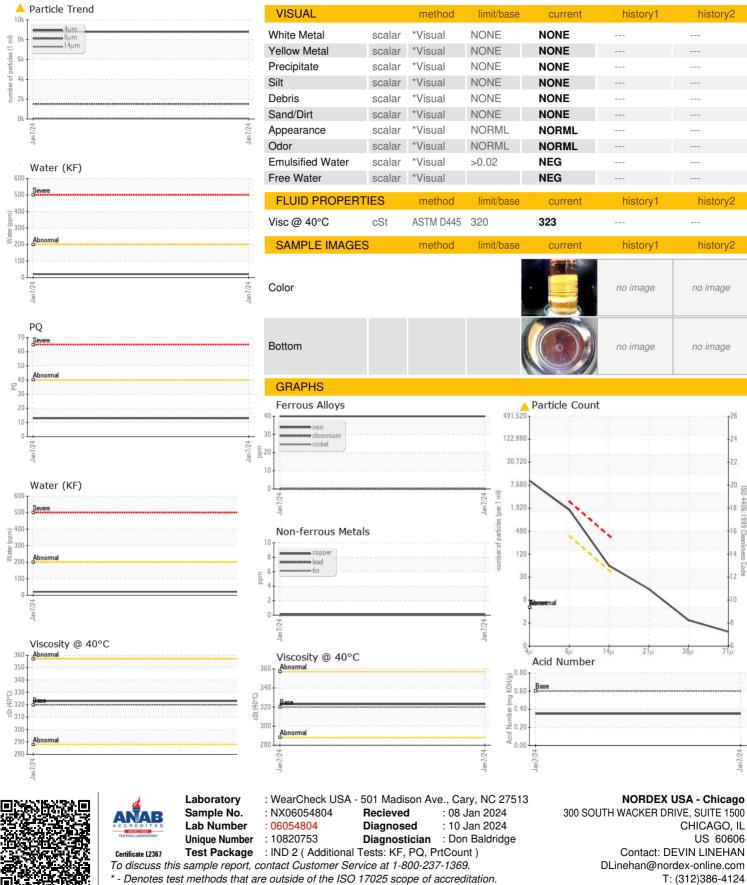
ISO

Acid Number (AN) Report Id: NORDEX [WUSCAR] 06054804 (Generated: 01/10/2024 10:57:42) Rev: 1

Contact/Location: DEVIN LINEHAN - NORDEX



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* - 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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