

OIL ANALYSIS REPORT

Area AZURE SKY [200007684] Machine Id 88547 - F-6 Component

Wind Turbine Gearbox

FUCHS RENOLIN UNISYN CLP 320 (--- LTR)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate 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.



Sample Rating Trend



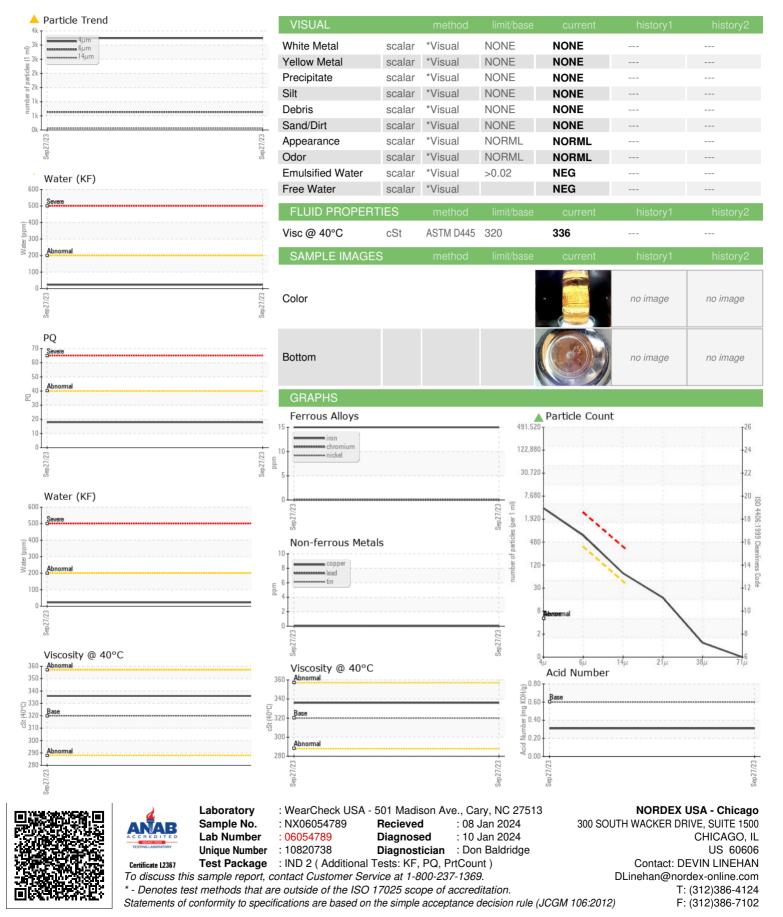
ISO

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NX06054789		
Sample Date		Client Info		27 Sep 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				ATTENTION		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>40	18		
Iron	ppm	ASTM D5185m	>55	15		
Chromium	ppm	ASTM D5185m	>2	0		
Nickel	ppm	ASTM D5185m	>2	0		
Titanium	ppm	ASTM D5185m	>10	0		
Silver	ppm	ASTM D5185m	210	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		ASTM D5185m	20	0		
Cadmium	ppm	ASTM D5185m		0		
Gaumium	ppm	ASTIVI DOTODIII		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		13		
Phosphorus	ppm	ASTM D5185m		187		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		4595		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	6		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	1		
Water	%	ASTM D6304	>0.02	0.002		
ppm Water	ppm	ASTM D6304	>200	23		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		3244		
Particles >6µm		ASTM D7647	>320	6 35		
Particles >14µm		ASTM D7647	>40	6 5		
Particles >21µm		ASTM D7647	>10	1 5		
Particles >38µm		ASTM D7647	>3	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/15/12	1 9/16/13		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN) mg KOH/g ASTM D8045 0.6 Report Id: NORDEX [WUSCAR] 06054789 (Generated: 01/10/2024 10:54:08) Rev: 1 0.31 --- ---Contact/Location: DEVIN LINEHAN - NORDEX



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