

OIL ANALYSIS REPORT

Area AZURE SKY [200007684] Machine Id T-04 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

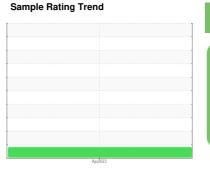
All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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





ISO

SAMPLE INFORM	NATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NX06054836		
Sample Date		Client Info		12 Apr 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ATTENTION		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>50	13		
Iron	ppm	ASTM D5185m	>30	4		
Chromium	ppm	ASTM D5185m	>3	0		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>10	0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>30	0		
Lead	ppm	ASTM D5185m	>15	<1		
Copper	ppm	ASTM D5185m	>10	0		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		8		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		15		
Phosphorus	ppm	ASTM D5185m		203		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		4724		
			11 11 11			
CONTAMINANTS		method	limit/base		history1	history2
Silicon	ppm	ASTM D5185m	>+15	2		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m		0		
Water	%	ASTM D6304	>0.02	0.003		
ppm Water	ppm	ASTM D6304	>200	27		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		2081		
Particles >6µm		ASTM D7647	>320	466		
Particles >14µm		ASTM D7647	>40	30		
Particles >21µm		ASTM D7647	>10	9		
Particles >38µm		ASTM D7647	>3	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/15/12	18/16/12		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN) mg KOH/g

mg KOH/g ASTM D8045 0.6

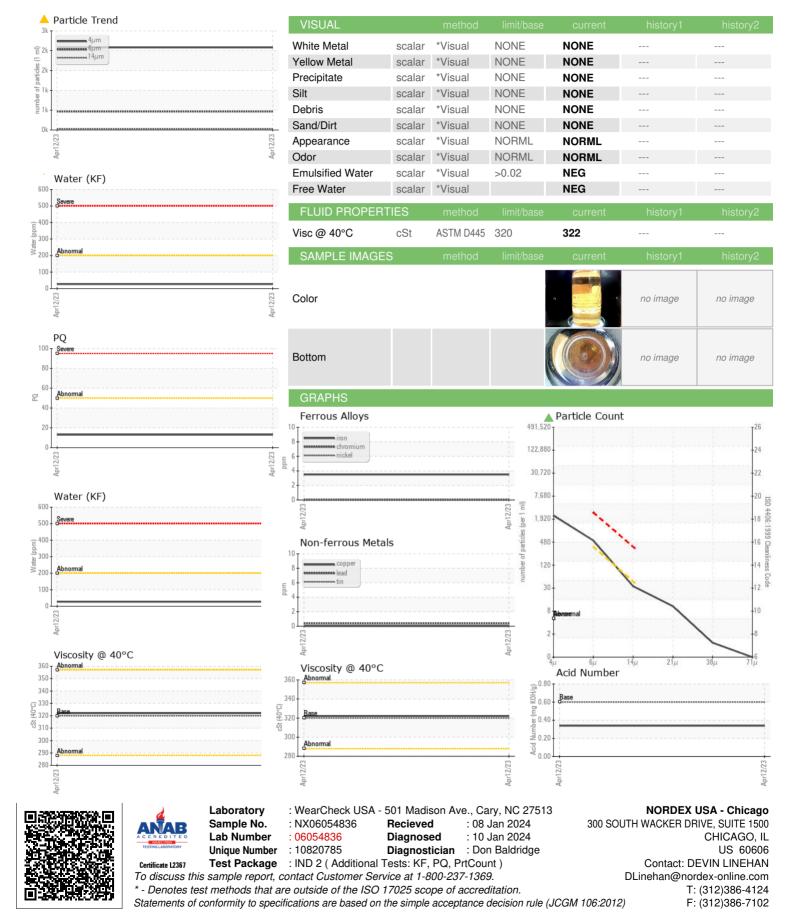
0.34

Report Id: NORDEX [WUSCAR] 06054836 (Generated: 01/10/2024 10:49:09) Rev: 1

Contact/Location: DEVIN LINEHAN - NORDEX



OIL ANALYSIS REPORT



Contact/Location: DEVIN LINEHAN - NORDEX