

OIL ANALYSIS REPORT

Area AZURE SKY [200007684] T-51 - L-2 Component

Wind Turbine Gearbox Elui

FUCHS RENOLIN UNISYN CLP 320 (650 LTF

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.

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SAMPLE INFORM		method		Sep2023	biotomid	history Q
			limit/base		history1	history2
Sample Number		Client Info		NX06054791		
ample Date	lava	Client Info Client Info		27 Sep 2023		
Achine Age	hrs hrs	Client Info		0		
)il Age)il Changed	1115	Client Info		N/A		
ample Status		Client Into		ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Q		ASTM D8184	>50	16		
on	ppm		>30	6		
hromium	ppm	ASTM D5185m	>3	0		
lickel	ppm	ASTM D5185m		0		
ïtanium 	ppm	ASTM D5185m	>10	0		
ilver	ppm	ASTM D5185m		0		
luminum	ppm	ASTM D5185m	>30	0		
ead	ppm		>15	<1		
opper	ppm	ASTM D5185m	>10	0		
ïn	ppm	ASTM D5185m	>10	0		
anadium	ppm	ASTM D5185m		0		
admium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		5		
arium	ppm	ASTM D5185m		0		
lolybdenum	ppm	ASTM D5185m		0		
langanese	ppm	ASTM D5185m		0		
lagnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		15		
hosphorus	ppm	ASTM D5185m		198		
inc	ppm	ASTM D5185m		0		
ulfur	ppm	ASTM D5185m		4604		
CONTAMINANTS	S	method	limit/base	current	history1	history2
ilicon	ppm	ASTM D5185m	>+15	3		
odium	ppm	ASTM D5185m		5		
otassium	ppm	ASTM D5185m	>20	<1		
Vater	%	ASTM D6304		0.003		
pm Water	ppm	ASTM D6304	>200	33		
FLUID CLEANLIN	VESS	method	limit/base	current	history1	history2
articles >4µm		ASTM D7647		3092		
articles >6µm		ASTM D7647	>320	4 971		
articles >14µm		ASTM D7647	>40	6 59		
Particles >21µm		ASTM D7647	>10	<u>▲</u> 13		
Particles >38µm		ASTM D7647		0		
Particles >71µm		ASTM D7647		0		
Dil Cleanliness		ISO 4406 (c)	>/15/12	▲ 19/17/13		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
					filotory r	motoryz
Acid Number (AN)	mg KOH/g	ASTM D8045	0.6	0.35		

Contact/Location: DEVIN LINEHAN - NORDEX

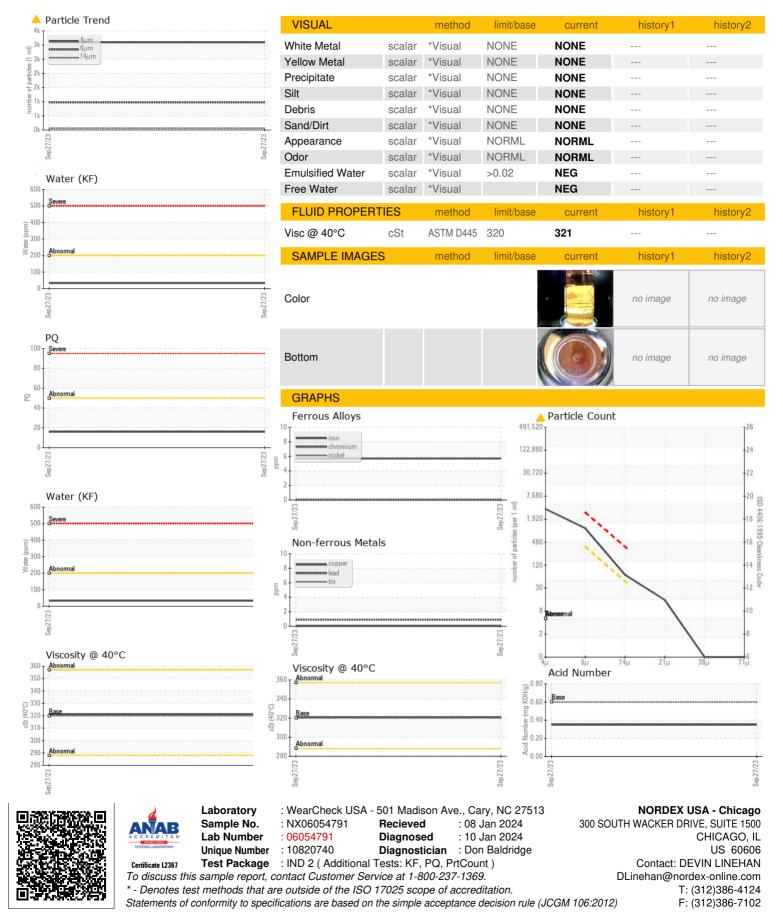
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Sample Rating Trend

ISO



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