

## **OIL ANALYSIS REPORT**

# BEKEVAR [46004111] D622330 (S/N CM0071)

Recommendation

Contamination

**Fluid Condition** 

the system are acceptable.

Resample at the next service interval to monitor.

There is no indication of any contamination in the oil. The amount and size of particulates present in

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

All component wear rates are normal.

## **Wind Turbine Gearbox** SHELL OMALA S5 WIND 320 (--- LTR)

Sample Rating Trend

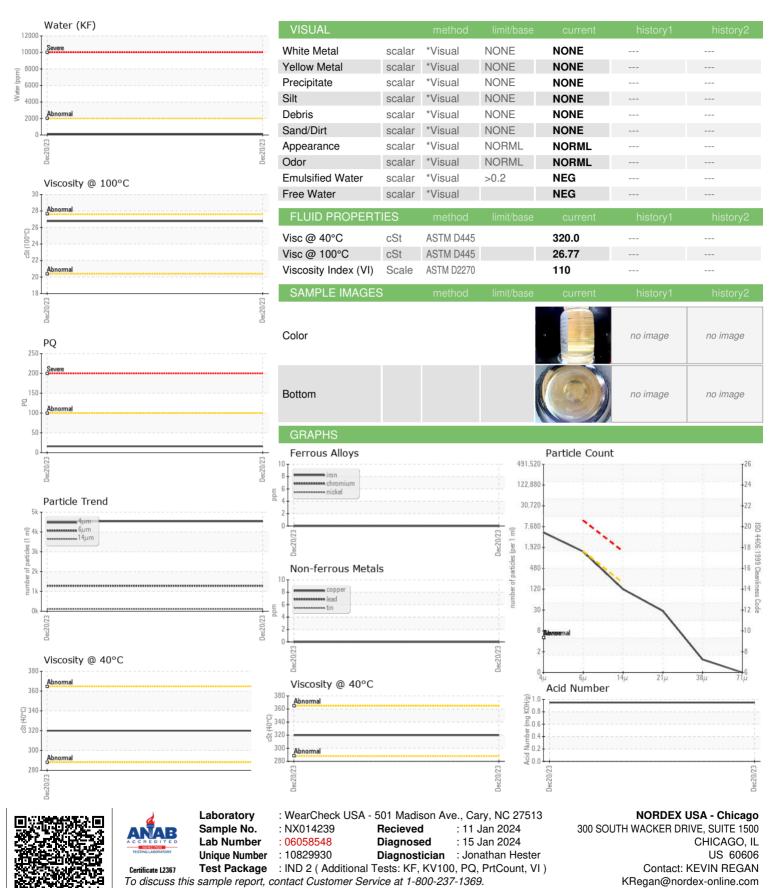


				Dec2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NX014239		
Sample Date		Client Info		20 Dec 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		16		
Iron	ppm	ASTM D5185m	>200	0		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m		0		
Lead	ppm	ASTM D5185m		0		
Copper	ppm	ASTM D5185m		0		
Tin	ppm	ASTM D5185m		0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		436		
Zinc	ppm	ASTM D5185m		4		
Sulfur		ASTM D5185m		3422		
	ppm		Para ta da a a a a			
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		<1		
Sodium	ppm	ASTM D5185m	00	0		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D6304	>0.2	0.012		
ppm Water	ppm	ASTM D6304	>2000	127		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		4535		
Particles >6µm		ASTM D7647		1279		
Particles >14µm		ASTM D7647	>160	106		
Particles >21µm		ASTM D7647		25		
Particles >38µm		ASTM D7647	>10	1		
Particles >71μm		ASTM D7647		0		
Oil Cleanliness		ISO 4406 (c)	>17/14	17/14		
FLUID DEGRADA	NOITA	method			history1	history2

mg KOH/g ASTM D8045



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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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