

OIL ANALYSIS REPORT

BEKEVAR [46004111] D622324 (S/N CM0072)

Wind Turbine Gearbox

SHELL OMALA S5 WIND 320 (--- LTR)

Recommendation

Resample at the next service interval to monitor.

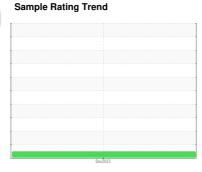
All component wear rates are normal.

Contamination

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

Fluid Condition

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

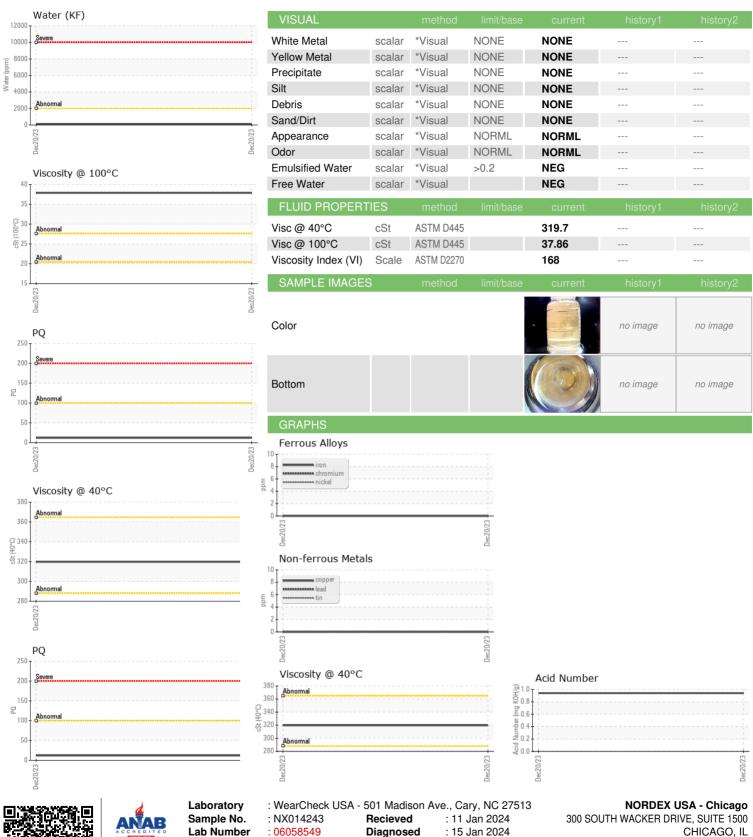




SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NX014243		
Sample Date		Client Info		20 Dec 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		12		
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		3		
Sulfur	ppm	ASTM D5185m		3357		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		<1		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D6304	>0.2	0.013		
ppm Water	ppm	ASTM D6304	>2000	131		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.94		



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Certificate L2367

Lab Number **Unique Number**

: 06058549 : 10829931

Diagnosed : 15 Jan 2024 Diagnostician : Doug Bogart

Test Package : IND 2 (Additional Tests: KF, KV100, PQ, PrtCount, VI)

Contact: KEVIN REGAN KRegan@nordex-online.com T:

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - 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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