

RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

PROBLEMATIC TEST	RESULTS				
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
Particles >6µm	ASTM D7647	>320	🔺 6459	1 819	▲ 795
Particles >14µm	ASTM D7647	>40	<mark> 8</mark> 0	6 1	46
Particles >21µm	ASTM D7647	>10	<u> </u>	9	10
Oil Cleanliness	ISO 4406 (c)	>/15/12	A 23/20/13	🔺 21/18/13	19/17/13

Customer Id: NORDEX Sample No.: NX05933544 Lab Number: 05933544 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>

RECOMMENDED ACTIONS					
Action	Status	Date	Done By	Description	
Change Filter			?	We recommend you service the filters on this component if applicable.	

HISTORICAL DIAGNOSIS



15 Jan 2023 Diag: Don Baldridge

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



21 Jun 2022 Diag: Don Baldridge



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Area IRON STAR [200006142] 35WEA88327 Component

Wind Turbine Gearbox Fluid GEAR OIL (PAO) ISO 320 (--- LTR)

DIAGNOSIS

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.

		Ju	2022	Jan2023 Aug20		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NX05933544	WC05739620	NX05596457
Sample Date		Client Info		23 Aug 2023	15 Jan 2023	21 Jun 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>50	16	10	22
Iron	ppm	ASTM D5185m	>30	29	24	11
Chromium	ppm	ASTM D5185m	>3	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>10	0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>30	0	0	0
Lead	ppm	ASTM D5185m		<1	<1	<1
Copper	ppm	ASTM D5185m	>10	<1	<1	<1
Tin	ppm	ASTM D5185m		0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	ppm	method	limit/base	current	-	-
					history1	history2
Boron	ppm	ASTM D5185m	25	9 2	10	11
Barium	ppm	ASTM D5185m	12		0	0
Molybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m	05	<1	<1	<1
Magnesium	ppm	ASTM D5185m	25	<1	0	1
Calcium	ppm	ASTM D5185m	25	20	22	17
Phosphorus	ppm	ASTM D5185m	375	212	217	168
Zinc	ppm	ASTM D5185m	25	4	3	0
Sulfur	ppm	ASTM D5185m	4900	5306	5538	4508
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+15	8	7	13
Sodium	ppm	ASTM D5185m		0	3	<1
Potassium	ppm	ASTM D5185m	>20	2	0	1
Water	%	ASTM D6304	>0.02	0.003	0.005	0.008
ppm Water	ppm	ASTM D6304	>200	34.2	52.3	84.7
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		55102	15217	4690
Particles >6µm		ASTM D7647	>320	🔺 6459	<u> </u>	▲ 795
Particles >14µm		ASTM D7647	>40	<mark> 8</mark> 0	6 1	4 6
Particles >21µm		ASTM D7647	>10	<u> </u>	9	10
Particles >38µm		ASTM D7647	>3	1	1	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/15/12	A 23/20/13	1 /18/13	▲ 19/17/13
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.10	0.40	0.35	0.23
19.16) Dov: 1				Contact/L contic		

Report Id: NORDEX [WUSCAR] 05933544 (Generated: 08/25/2023 20:18:16) Rev: 1

Contact/Location: DEVIN LINEHAN - NORDEX



OIL ANALYSIS REPORT

limit/base

NONE

NONE

NONE

NONE

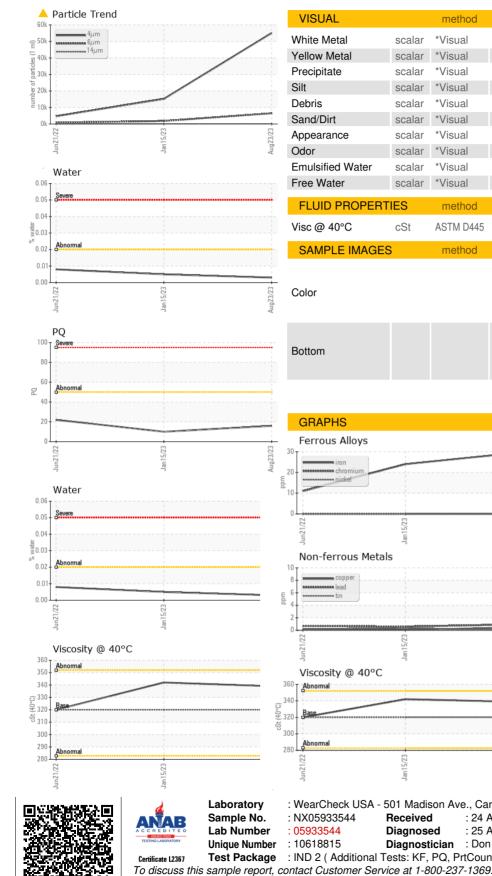
current

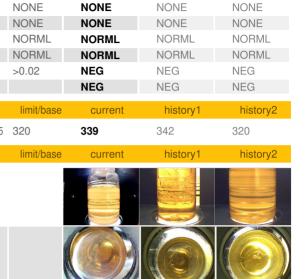
NONE

NONE

NONE

NONE





history1

NONE

NONE

NONE

NONE

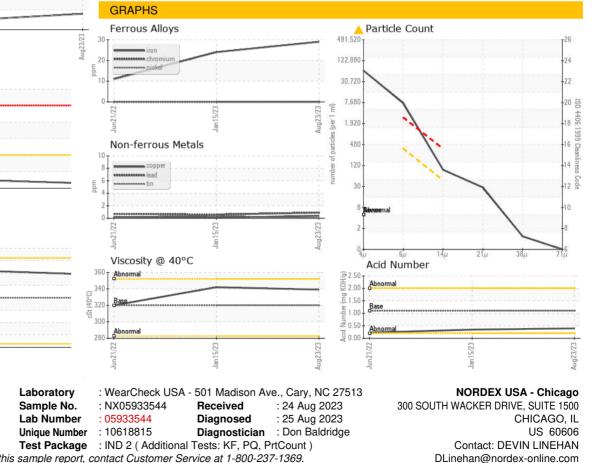
history2

NONE

NONE

NONE

NONE



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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)

Contact/Location: DEVIN LINEHAN - NORDEX

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