

RECOMMENDATION

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

PROBLEMATIC TES	T RESULTS				
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
Particles >6µm	ASTM D7647 :	>320	<u> </u>	A 2925	<u> </u>
Particles >14µm	ASTM D7647	>40	<u> </u>	36	5 7
Particles >21µm	ASTM D7647	>10	<u> </u>	9	1 4
Oil Cleanliness	ISO 4406 (c)	>/15/12	A 23/20/14	🔺 23/19/12	🔺 22/17/13

Customer Id: NORDEX Sample No.: NX05933549 Lab Number: 05933549 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 AC	CTIONS			
Action	Status	Date	Done By	Description
Change Filter			?	We recommend you service the filters on this component if applicable.

HISTORICAL DIAGNOSIS

06 Jan 2023 Diag: Jonathan Hester

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



16 Mar 2022 Diag: Doug Bogart



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

IRON STAR [200006142] 45WEA88323 Component

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

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.

		Ma	2022	Janž023 Augž0	23	•
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NX05933549	WC05739623	NX05555941
Sample Date		Client Info		23 Aug 2023	06 Jan 2023	16 Mar 2022
Machine Age	hrs	Client Info		0	0	0
Dil Age	hrs	Client Info		0	0	0
Dil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
ŶQ		ASTM D8184	>50	13	6	18
ron	ppm	ASTM D5185m	>30	24	23	10
Chromium	ppm	ASTM D5185m	>3	0	0	0
lickel	ppm	ASTM D5185m	>3	0	0	<1
Titanium	ppm	ASTM D5185m	>10	0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	0	0	0
ead	ppm	ASTM D5185m	>15	<1	0	0
Copper	ppm	ASTM D5185m	>10	0	0	0
Гin	ppm	ASTM D5185m	>10	0	<1	<1
/anadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	25	6	9	15
Barium	ppm	ASTM D5185m	12	2	0	0
Nolybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	25	<1	0	0
Calcium	ppm	ASTM D5185m	25	19	20	6
Phosphorus	ppm	ASTM D5185m	375	204	215	204
Zinc	ppm	ASTM D5185m	25	4	3	0
Sulfur	ppm	ASTM D5185m	4900	5017	5729	4612
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+15	10	8	8
Sodium	ppm	ASTM D5185m		0	2	1
Potassium	ppm	ASTM D5185m	>20	1	0	0
Vater	%	ASTM D6304	>0.02	0.00	0.004	0.002
opm Water	ppm	ASTM D6304	>200	0.00	41.7	23.8
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		74198	59186	28377
Particles >6µm		ASTM D7647	>320	<u> </u>	A 2925	7 79
Particles >14µm		ASTM D7647	>40	<u> </u>	36	5 7
Particles >21µm		ASTM D7647	>10	<u> </u>	9	1 4
Particles >38µm		ASTM D7647	>3	1	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Dil Cleanliness		ISO 4406 (c)	>/15/12	23/20/14	▲ 23/19/12	2 2/17/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.10	0.37	0.32	0.39
00.07) Boy: 1				Contact/Lacatio		

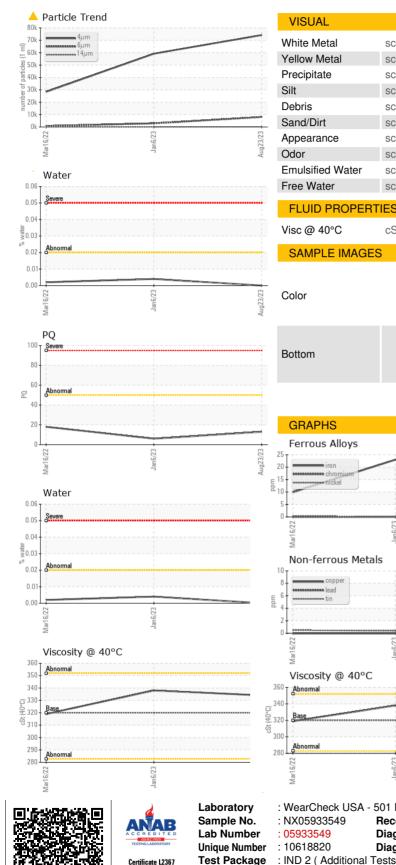
Report Id: NORDEX [WUSCAR] 05933549 (Generated: 08/25/2023 20:22:07) Rev: 1

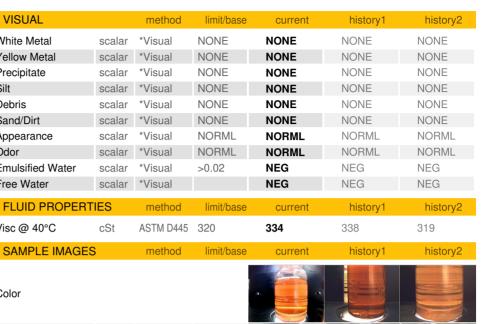
Contact/Location: DEVIN LINEHAN - NORDEX

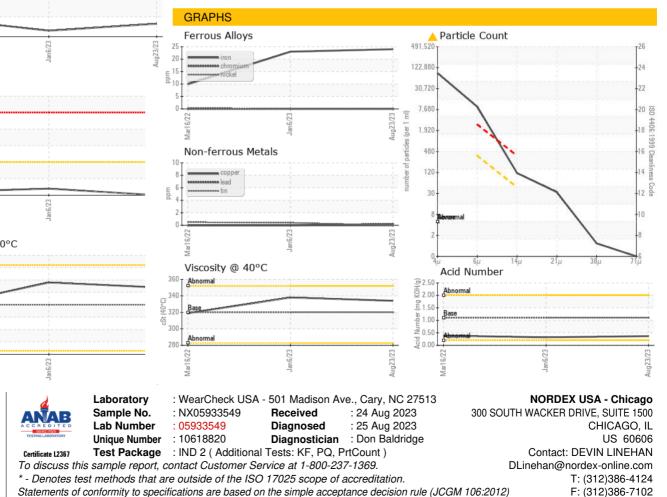
Page 3 of 4



OIL ANALYSIS REPORT







Contact/Location: DEVIN LINEHAN - NORDEX