

OIL ANALYSIS REPORT

Area AZURE SKY [200007684] **T-27**

Component Wind Turbine Gearbox Elui

FUCHS RENOLIN UNISYN CLP 320 (650 LTI

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.

By Junction Instruct Initiation Current Inistory1 Inistory2 Sample Dumber Client Info 0							
SAMPLE INFORMATION method imil/base current history1 history2 Sample Date Client Info 08 Jan 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Oil Changed Client Info 0 WEAR METALS method Imil/base current history1 history2 PQ ASTM D816M >-2 0 MEAR METALS method Imil/base current history1 history2 PQ ASTM D816M >2 0 Iron ppm ASTM D816M >10 Trainum ppm ASTM D816M >1 Silver ppm ASTM D816M >1 Chromium ppm ASTM D816M >1	·D)						
Sample Number Client Info NX06054841 Sample Date PS Client Info 0 Oil Age hrs Client Info 0 Oil Changed Client Info 0 Oil Changed Client Info Not Changd Sample Status method Imbs current history1 history2 PQ ASTM 05155 55 14 Tranum ppm ASTM 051555 >2 0 Silver ppm ASTM 051555 >1 0 Copper ppm ASTM 051555 >3 1 Cadmium ppm ASTM 051555 >3 0 Sample Samp	•		L		Jan2024		
Sample Date Client Info 08 Jan 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Sample Status Imit Note Not Changd WEAR METALS method limit/base current history1 history2 PQ ASTM 05185m >25 14 Chromium ppm ASTM 05185m >2 0 Nickel ppm ASTM 05185m >10 0 Aluminum ppm ASTM 05185m >10 0 Aluminum ppm ASTM 05185m >3 1 Auminum ppm ASTM 05185m >3 0 Aluminum ppm ASTM 05185m 0 Adadium ppm<	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 Oil Age hrs Client Info Not Changd Sample Status Imit Mos Not Changd WEAR METALS method limi/base current history1 history2 PQ ASTM D8184 >40 13 Iron ppm ASTM D8185 >22 0 Nickel ppm ASTM D5185 >2 0 Nickel ppm ASTM D5185 >2 0 Silver ppm ASTM D5185 >3 1 Copper ppm ASTM D5185 >3 1 Vanadium ppm ASTM D5185 >7 0 Not Sitem 0 Vanadium pm ASTM D51855 0	Sample Number		Client Info		NX06054841		
Oil Age hrs Client Info Not Changd Sample Status I Image Current History1 WEAR METALS method limit/base current History1 PQ ASTM 05185m >55 14 Iron ppm ASTM 05185m >2 0 Nickel ppm ASTM 05185m >2 0 Silver ppm ASTM 05185m >2 0 Copper ppm ASTM 05185m >2 0 Lead ppm ASTM 05185m >3 1 Copper ppm ASTM 05185m S3 0 Madium ppm ASTM 05185m 0 Madium ppm ASTM 05185m 0	Sample Date		Client Info		08 Jan 2024		
Oli Changed Client Info Not Changd WEAR METALS method Imil/base current history1 history2 PQ ASTM D8184 >40 13 Iron ppm ASTM D5185m >55 14 Nickel ppm ASTM D5185m >2 0 Nickel ppm ASTM D5185m >2 0 Auminum ppm ASTM D5185m >2 0 Aduminum ppm ASTM D5185m >2 0 Adaminum ppm ASTM D5185m S3 1 Adaminum ppm ASTM D5185m S3 0 Adaminum ppm ASTM D5185m S3 0 Adaminum ppm ASTM D5185m S0 0	Machine Age	hrs	Client Info		0		
Sample Status Imath of a minit/base Current history1 history2 VEAR METALS method limit/base current history1	Oil Age	hrs	Client Info		0		
WEAR METALS method limit/base current history1 history2 PQ ASTM 05168 >40 13 Iron ppm ASTM 05168 >55 14 Nickel ppm ASTM 05168 >2 0 Nickel ppm ASTM 05168 >10 0 Silver ppm ASTM 05168 >10 0 Aluminum ppm ASTM 05168 >3 1 Copper ppm ASTM 05168 >7 0 Cadmium ppm ASTM 05168 >3 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM 05168 0 Maganesium ppm ASTM 05168 0	Oil Changed		Client Info		Not Changd		
PQ ASTM D8184 >40 13 Iron ppm ASTM D5185m >55 14 Nickel ppm ASTM D5185m >2 0 Nickel ppm ASTM D5185m >2 0 Nickel ppm ASTM D5185m >2 0 Aluminum ppm ASTM D5185m >10 0 Aluminum ppm ASTM D5185m >3 1 Copper ppm ASTM D5185m >3 0 Yanadium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 Magnaese ppm ASTM D5185m 0 Magnaesu ppm ASTM D5185m 133	Sample Status				ABNORMAL		
Iron ppm ASTM D5185m >55 14 Chromium ppm ASTM D5185m >2 0 Nickel ppm ASTM D5185m >2 0 Titanium ppm ASTM D5185m >10 0 Aluminum ppm ASTM D5185m >15 0 Aluminum ppm ASTM D5185m >3 1 Aluminum ppm ASTM D5185m >3 0 Copper ppm ASTM D5185m 0 Yanadium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m	WEAR METALS		method	limit/base	current	history1	history2
Chromium ppm ASTM D5185m >2 0 Nickel ppm ASTM D5185m >2 0 Silver ppm ASTM D5185m >10 0 Aluminum ppm ASTM D5185m >15 0 Lead ppm ASTM D5185m >3 1 Vanadium ppm ASTM D5185m >3 0 Vanadium ppm ASTM D5185m >3 0 Vanadium ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Baron ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0	PQ		ASTM D8184	>40	13		
Nickel ppm ASTM D5185m >2 0 Titanium ppm ASTM D5185m >10 0 Silver ppm ASTM D5185m >10 0 Aluminum ppm ASTM D5185m >15 0 Aluminum ppm ASTM D5185m >3 1 Copper ppm ASTM D5185m >3 0 Tin ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 13 <	Iron	ppm	ASTM D5185m	>55	14		
Titanium ppm ASTM D5185m >10 0 Silver ppm ASTM D5185m >15 0 Aluminum ppm ASTM D5185m >15 0 Lead ppm ASTM D5185m >3 1 Copper ppm ASTM D5185m >3 0 Tin ppm ASTM D5185m >3 0 Addition ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Silor ppm ASTM D5185m 13 <td>Chromium</td> <td>ppm</td> <td>ASTM D5185m</td> <td>>2</td> <td>0</td> <td></td> <td></td>	Chromium	ppm	ASTM D5185m	>2	0		
Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >15 0 Lead ppm ASTM D5185m >3 1 Copper ppm ASTM D5185m >3 0 Yanadium ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Maganese ppm ASTM D5185m 0 Maganese ppm ASTM D5185m 197 Contrakinwa ppm ASTM D5185m 0 Sulf	Nickel	ppm	ASTM D5185m	>2	0		
Aluminum ppm ASTM D5185m >15 0 Lead ppm ASTM D5185m >3 1 Copper ppm ASTM D5185m >7 0 Tin ppm ASTM D5185m >3 0 Vanadium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Magnaese ppm ASTM D5185m 0 Magnaese ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 197 Sulfur ppm ASTM D5185m 13 Sulfur ppm ASTM D5185m 20	Titanium	ppm	ASTM D5185m	>10	0		
Lead ppm ASTM D5185m >3 1 Copper ppm ASTM D5185m >7 0 Tin ppm ASTM D5185m >3 0 Vanadium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 6 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 13 Sulfur ppm ASTM D5185m 197 Sulfur ppm ASTM D5185m 3 Sulfur ppm ASTM D5185m	Silver	ppm	ASTM D5185m		0		
Copper ppm ASTM D5185m >7 0 Tin ppm ASTM D5185m >3 0 Vanadium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 6 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Qalcium ppm ASTM D5185m 0 Qalcium ppm ASTM D5185m 13 Sulfur ppm ASTM D5185m 3 Sulfur ppm ASTM D5185m 2.0 2.0 Sulfur ppm ASTM D5185m </td <td>Aluminum</td> <td>ppm</td> <td>ASTM D5185m</td> <td>>15</td> <td>0</td> <td></td> <td></td>	Aluminum	ppm	ASTM D5185m	>15	0		
Tim ppm ASTM D5185m >3 0 Vanadium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 6 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 Maganese ppm ASTM D5185m 0 Maganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 13 Calcium ppm ASTM D5185m 197 Sulfur ppm ASTM D5185m 35 12 Sulfur ppm ASTM D5185m >20 <1 Sulfur ppm ASTM D5185m >20 <1 Sulfur ppm	Lead	ppm	ASTM D5185m	>3	1		
Tin ppm ASTM D5185m >3 0 Vanadium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 6 Barium ppm ASTM D5185m 0 Marganese ppm ASTM D5185m 0 Marganese ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 13 Calcium ppm ASTM D5185m 197 Sulfur ppm ASTM D5185m 12 Sulfur ppm ASTM D5185m 3 Sulfur ppm ASTM D5185m 20 <1	Copper	ppm	ASTM D5185m	>7	0		
Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 6 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 Calcium ppm ASTM D5185m 13 Sulfur ppm ASTM D5185m 35 12 Solicon ppm ASTM D5185m >33 Solicon ppm ASTM D5185m >20 <1 Solicon ppm ASTM D5185m >20	Tin	ppm	ASTM D5185m	>3	0		
ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 6 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Magnese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 13 Phosphorus ppm ASTM D5185m 197 Sulfur ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 0 Sodium ppm ASTM D5185m 3 Sodium ppm ASTM D5185m 20 <1	Vanadium	ppm	ASTM D5185m		0		
Boron ppm ASTM D5185m 6 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 Calcium ppm ASTM D5185m 13 Phosphorus ppm ASTM D5185m 197 Sulfur ppm ASTM D5185m 197 Sulfur ppm ASTM D5185m 4717 Sulfur ppm ASTM D5185m >35 12 Sodium ppm ASTM D5185m >20 <1	Cadmium	ppm	ASTM D5185m		0		
Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Maganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 13 Calcium ppm ASTM D5185m 197 Zinc ppm ASTM D5185m 197 Sulfur ppm ASTM D5185m 197 Sulfur ppm ASTM D5185m 12 Sodium ppm ASTM D5185m >35 12 Sodium ppm ASTM D5185m >20 <1 Vater % ASTM D5185m >20 20 Particles >4µm ASTM D6304 >20.02 0.002	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 13 Calcium ppm ASTM D5185m 197 Zinc ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 3 Sodium ppm ASTM D5185m >35 12 Sodium ppm ASTM D5185m >20 <1	Boron	ppm	ASTM D5185m		6		
Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 13 Phosphorus ppm ASTM D5185m 197 Zinc ppm ASTM D5185m 197 Sulfur ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 4717 Sulfur ppm ASTM D5185m >35 12 Sodium ppm ASTM D5185m >20 <1	Barium	ppm	ASTM D5185m		0		
Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 13 Phosphorus ppm ASTM D5185m 197 Zinc ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 4717 Solicon ppm ASTM D5185m >35 12 Solicon ppm ASTM D5185m >35 12 Solium ppm ASTM D5185m >20 <1	Molybdenum	ppm	ASTM D5185m		0		
Calcium ppm ASTM D5185m 13 Phosphorus ppm ASTM D5185m 197 Zinc ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 4717 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >35 12 Sodium ppm ASTM D5185m >20 <1	Manganese	ppm	ASTM D5185m		0		
Phosphorus ppm ASTM D5185m 197 Zinc ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 4717 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >35 12 Sodium ppm ASTM D5185m >35 12 Sodium ppm ASTM D5185m >35 12 Sodium ppm ASTM D5185m >20 <1 Vater % ASTM D5185m >20 20 0.002 Water % ASTM D6304 >0.02 0.002 PutID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 320 1409	Magnesium	ppm	ASTM D5185m		0		
Zinc ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 4717 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >35 12 Sodium ppm ASTM D5185m >35 12 Sodium ppm ASTM D5185m >20 <1 Potassium ppm ASTM D5185m >20 <1 Water % ASTM D6304 >0.02 0.002 Public CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 6146 Particles >4µm ASTM D7647 >320 1409 Particles >14µm ASTM D7647 >30 18 Particles >21µm ASTM D7647 >3 1	Calcium	ppm	ASTM D5185m		13		
SulfurppmASTM D5185m4717CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>3512SodiumppmASTM D5185m>20<1	Phosphorus	ppm	ASTM D5185m		197		
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>3512SodiumppmASTM D5185m>20<1	Zinc	ppm	ASTM D5185m		0		
Silicon ppm ASTM D5185m >35 12 Sodium ppm ASTM D5185m >20 <1	Sulfur	ppm	ASTM D5185m		4717		
Sodium ppm ASTM D5185m 3 Potassium ppm ASTM D5185m >20 <1 Water % ASTM D6304 >0.02 0.002 ppm Water ppm ASTM D6304 >200 20 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 6146 Particles >6µm ASTM D7647 >320 1409 Particles >6µm ASTM D7647 >40 88 Particles >14µm ASTM D7647 >10 18 Particles >38µm ASTM D7647 >3 0 Particles >71µm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >/15/12 20/18/14 FLUID DEGRADATION <th>CONTAMINANTS</th> <th>S</th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	CONTAMINANTS	S	method	limit/base	current	history1	history2
Sodium ppm ASTM D5185m 3 Potassium ppm ASTM D5185m >20 <1	Silicon	ppm	ASTM D5185m	>35	12		
Water % ASTM D6304 >0.02 0.002 ppm Water ppm ASTM D6304 >200 20 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 6146 Particles >6µm ASTM D7647 >320 1409 Particles >6µm ASTM D7647 >40 88 Particles >14µm ASTM D7647 >10 18 Particles >21µm ASTM D7647 >3 0 Particles >38µm ASTM D7647 >3 0 Particles >71µm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >/15/12 20/18/14 FLUID DEGRADATION method limit/base current history1 history2	Sodium	ppm	ASTM D5185m		3		
ppm Water ppm ASTM D6304 >200 20 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 6146 Particles >6µm ASTM D7647 >320 1409 Particles >6µm ASTM D7647 >40 88 Particles >14µm ASTM D7647 >40 88 Particles >21µm ASTM D7647 >10 18 Particles >38µm ASTM D7647 >3 0 Particles >71µm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) /15/12 20/18/14 FLUID DEGRADATION method limit/base current history1 history2	Potassium	ppm	ASTM D5185m	>20	<1		
FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 6146 Particles >6µm ASTM D7647 >320 1409 Particles >6µm ASTM D7647 >40 88 Particles >14µm ASTM D7647 >40 88 Particles >21µm ASTM D7647 >10 18 Particles >38µm ASTM D7647 >3 1 Particles >71µm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >/15/12 20/18/14 FLUID DEGRADATION method limit/base current history1 history2	Water	%	ASTM D6304	>0.02	0.002		
Particles >4μm ASTM D7647 6146 Particles >6μm ASTM D7647 >320 1409 Particles >14μm ASTM D7647 >40 88 Particles >21μm ASTM D7647 >10 18 Particles >21μm ASTM D7647 >3 1 Particles >38μm ASTM D7647 >3 0 Particles >71μm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >/15/12 20/18/14 FLUID DEGRADATION method limit/base current history1 history2	ppm Water	ppm	ASTM D6304	>200	20		
Particles >6µm ASTM D7647 >320 ▲ 1409 Particles >14µm ASTM D7647 >40 ▲ 88 Particles >21µm ASTM D7647 >10 ▲ 18 Particles >38µm ASTM D7647 >3 1 Particles >38µm ASTM D7647 >3 0 Particles >71µm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >/15/12 ▲ 20/18/14 FLUID DEGRADATION method limit/base current history1 history2	FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >14μm ASTM D7647 >40 ▲ 88 Particles >21μm ASTM D7647 >10 ▲ 18 Particles >38μm ASTM D7647 >3 1 Particles >38μm ASTM D7647 >3 1 Particles >71μm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >/15/12 ▲ 20/18/14 FLUID DEGRADATION method limit/base current history1 history2	Particles >4µm		ASTM D7647		6146		
Particles >21μm ASTM D7647 >10 ▲ 18 Particles >38μm ASTM D7647 >3 1 Particles >371μm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >/15/12 ▲ 20/18/14 FLUID DEGRADATION method limit/base current history1 history2	Particles >6µm		ASTM D7647	>320	<u> </u>		
Particles >38μm ASTM D7647 >3 1 Particles >71μm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >/15/12 ▲ 20/18/14 FLUID DEGRADATION method limit/base current history1 history2	Particles >14µm		ASTM D7647	>40	<mark> 8</mark> 8		
Particles >71μm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >/15/12 ▲ 20/18/14 FLUID DEGRADATION method limit/base current history1 history2	Particles >21µm		ASTM D7647	>10	<u> </u>		
Oil Cleanliness ISO 4406 (c) >/15/12 ▲ 20/18/14 FLUID DEGRADATION method limit/base current history1 history2	Particles >38µm		ASTM D7647	>3	1		
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>3	0		
	Oil Cleanliness		ISO 4406 (c)	>/15/12	20/18/14		
Acid Number (AN) mg KOH/g ASTM D8045 0.6 0.31	FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.6	0.31		

Contact/Location: DEVIN LINEHAN - NORDEX

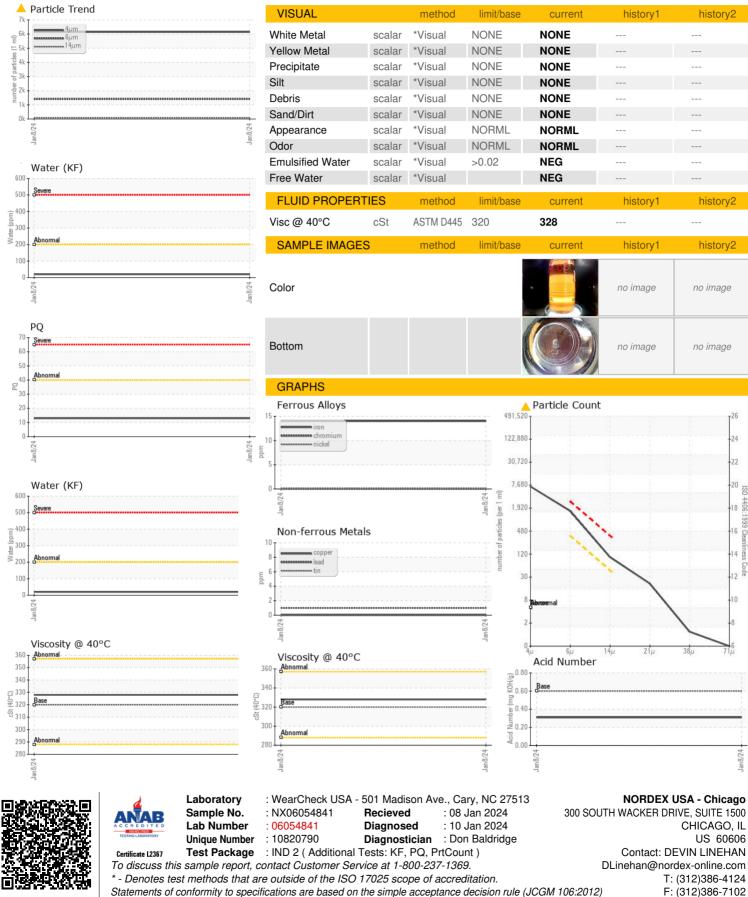
Report Id: NORDEX [WUSCAR] 06054841 (Generated: 01/10/2024 10:56:00) Rev: 1

Sample Rating Trend

ISO



OIL ANALYSIS REPORT



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: DEVIN LINEHAN - NORDEX

:1999 Cle