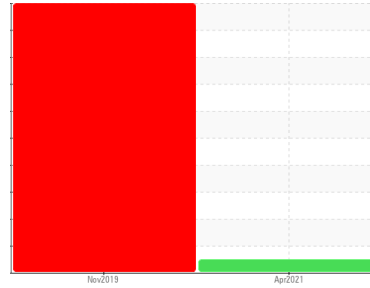




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
THUNDER SPIRIT [700404026]
 Machine Id
T042 (S/N 20111455391)
 Component
Transformer Oil
 Fluid
NOT GIVEN (658 GAL)

DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample. All tests and evaluation performed at subcontracted ISO 17025 laboratory.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			NX05237103	NX04850267	---
Sample Date	Client Info			15 Apr 2021	07 Nov 2019	---
Machine Age	hrs	Client Info		0	0	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed	Client Info			N/A	N/A	---
Sample Status				NORMAL	SEVERE	---

CONTAMINANTS		method	limit/base	current	history1	history2
ppm Water	ppm	ASTM D6304	>35	9	0	---

DISSOLVED GAS ANALYSIS (DGA)		method	limit/base	current	history1	history2
DGA - H2	ppm	*ASTM D3612(e)		---	33265	---
DGA - O2	ppm	*ASTM D3612(e)		---	582	---
DGA - N2	ppm	*ASTM D3612(e)		---	27211	---
DGA - CO	ppm	*ASTM D3612(e)		---	86	---
DGA - CO2	ppm	*ASTM D3612(e)		---	939	---
DGA - Methane	ppm	*ASTM D3612(e)		---	7990	---
DGA - Acetylene	ppm	*ASTM D3612(e)		---	2	---
DGA - Ethylene	ppm	*ASTM D3612(e)		---	5	---
DGA - Ethane	ppm	*ASTM D3612(e)		---	2277	---
DGA - Total Gas Content	%	*ASTM D3612(e)		---	72357	---
DGA - Total Combustible Gas	ppm	*ASTM D3612(e)		---	43625	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		---	0.009	---

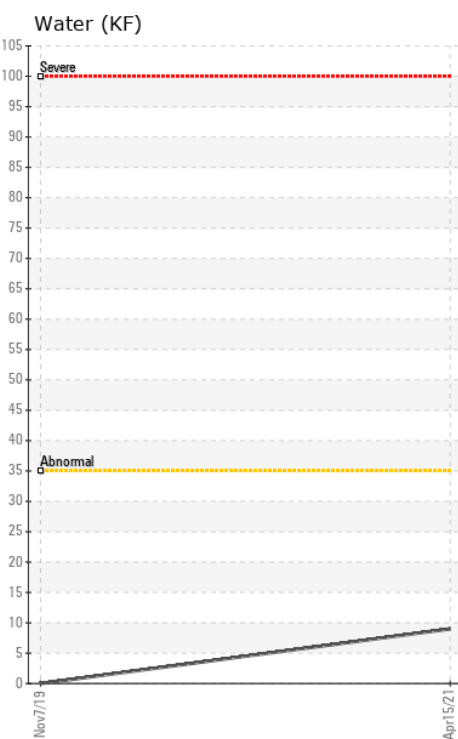
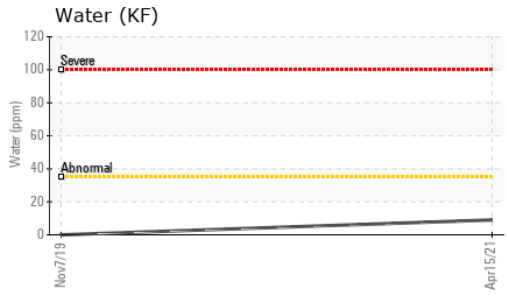
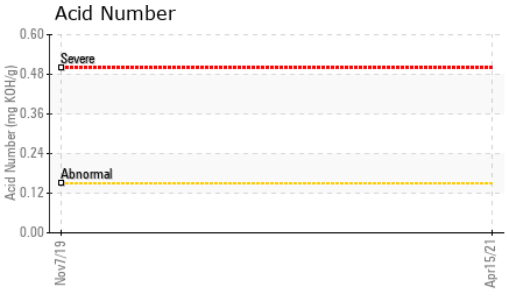
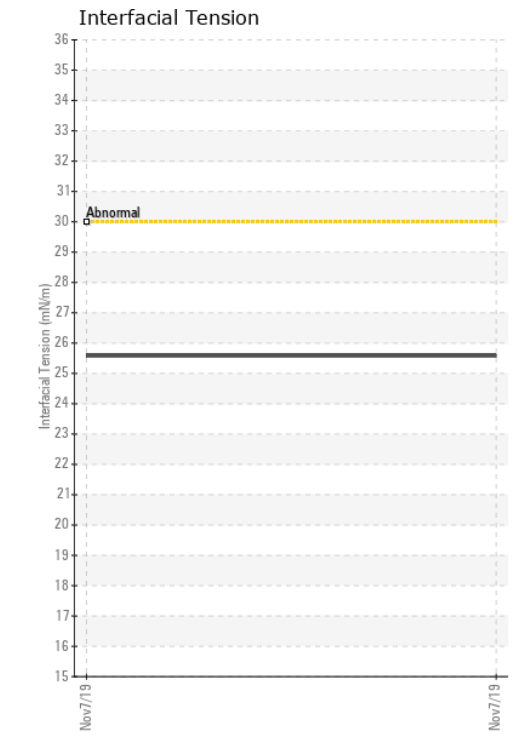
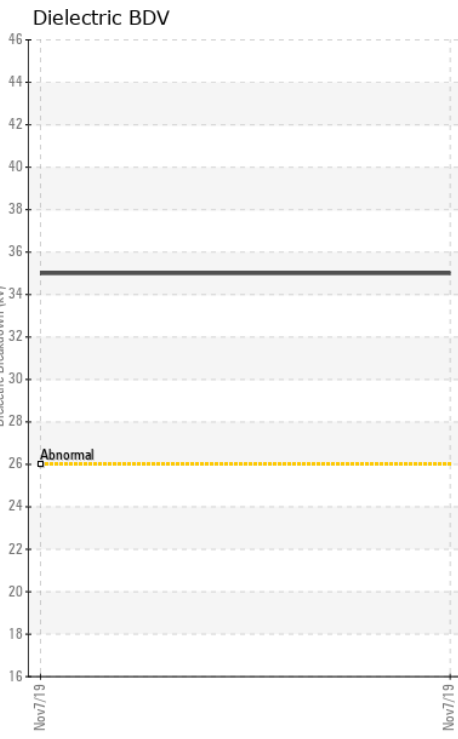
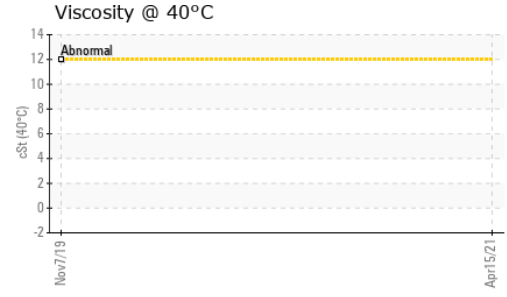
FLUID PROPERTIES		method	limit/base	current	history1	history2
Specific Gravity		ASTM D4052(e)		---	0.876	---
Dielectric Breakdown	kV	ASTM D1816(e)		---	35	---
Interfacial Tension	mN/m	ASTM D971(e)		---	25.58	---
ASTM Color	scalar	ASTM D1500(e)		L1.0	L0.5	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image



OIL ANALYSIS REPORT

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX05237103 **Received** : 23 Apr 2021
Lab Number : 05237103 **Diagnosed** : 02 Oct 2023
Unique Number : 9476011 **Diagnostician** : System
Test Package : TRF 2 (Additional Tests: ICP, KV40)

NORDEX USA - Chicago
 300 SOUTH WACKER DRIVE, SUITE 1500
 CHICAGO, IL
 US 60606
 Contact: DEVIN LINEHAN
 DLinehan@nordex-online.com
 T: (312)386-4124
 F: (312)386-7102

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)