



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
BLACKJACK CREEK [700007683]
 Machine Id
10WEA88405 - B-05
 Component
Hydraulic System
 Fluid
SHELL TELLUS S2 VX 32 (--- LTR)



DIAGNOSIS

Recommendation
 Resample at the next service interval to monitor.

Wear
 All component wear rates are normal.

Contamination
 The amount and size of particulates present in the system are acceptable.

Fluid Condition
 The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		NX015706	---	---
Sample Date	Client Info		11 Jan 2024	---	---
Machine Age	hrs Client Info		17016296	---	---
Oil Age	hrs Client Info		0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			NORMAL	---	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		15	---	---
Iron	ppm ASTM D5185m	>20	<1	---	---
Chromium	ppm ASTM D5185m	>20	2	---	---
Nickel	ppm ASTM D5185m	>20	0	---	---
Titanium	ppm ASTM D5185m		0	---	---
Silver	ppm ASTM D5185m		0	---	---
Aluminum	ppm ASTM D5185m	>20	0	---	---
Lead	ppm ASTM D5185m	>20	1	---	---
Copper	ppm ASTM D5185m	>20	8	---	---
Tin	ppm ASTM D5185m	>20	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		21	---	---
Phosphorus	ppm ASTM D5185m		226	---	---
Zinc	ppm ASTM D5185m		306	---	---
Sulfur	ppm ASTM D5185m		872	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>15	<1	---	---
Sodium	ppm ASTM D5185m		0	---	---
Potassium	ppm ASTM D5185m	>20	0	---	---
Water	% ASTM D6304	>0.05	0.006	---	---
ppm Water	ppm ASTM D6304	>500	64	---	---

FLUID CLEANLINESS

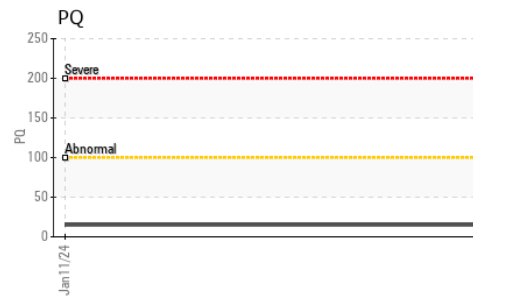
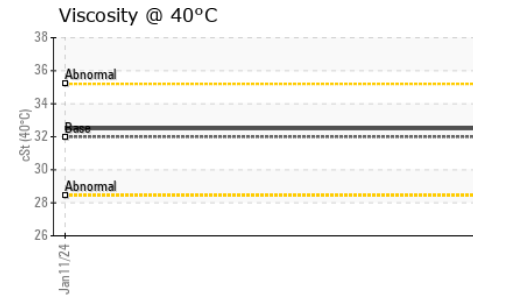
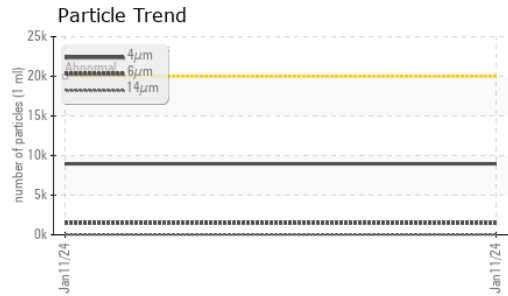
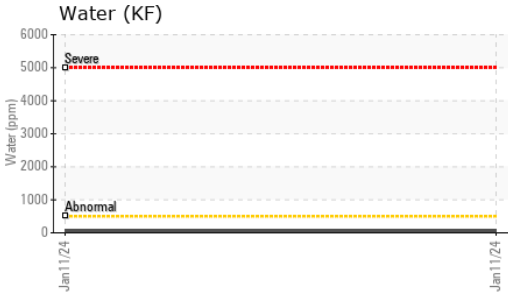
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>20000	8962	---	---
Particles >6µm	ASTM D7647	>2500	1472	---	---
Particles >14µm	ASTM D7647	>320	43	---	---
Particles >21µm	ASTM D7647	>80	10	---	---
Particles >38µm	ASTM D7647	>20	0	---	---
Particles >71µm	ASTM D7647	>4	0	---	---
Oil Cleanliness	ISO 4406 (c)	>21/18/15	20/18/13	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045		0.30	---	---



OIL ANALYSIS REPORT



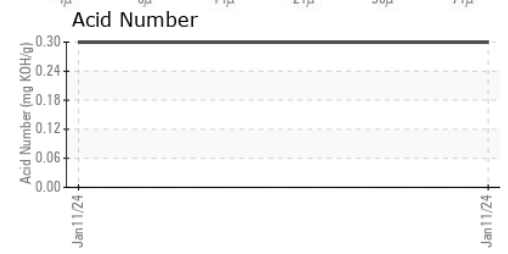
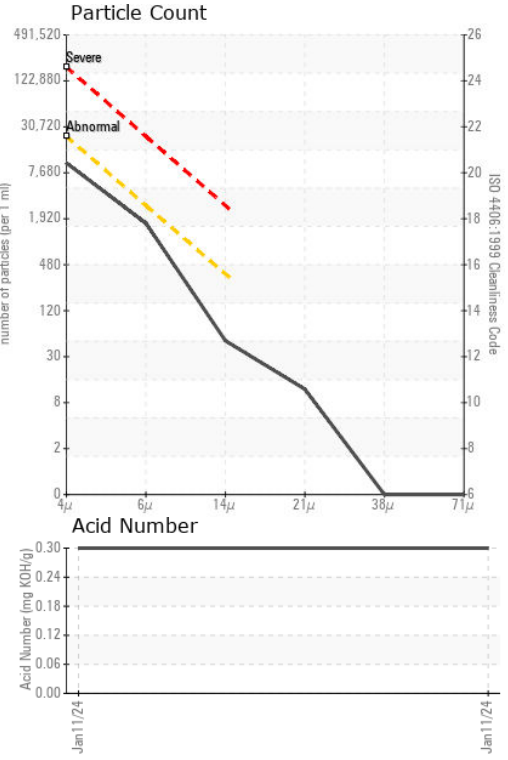
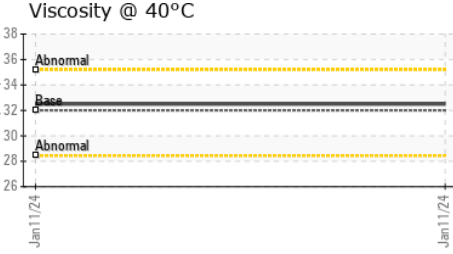
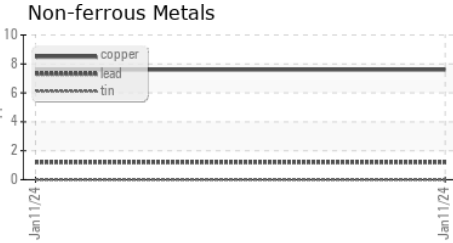
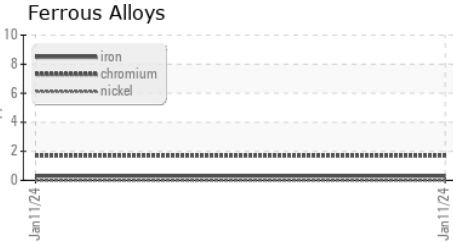
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.05	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32	32.5	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX015706 **Received** : 30 Jan 2024
Lab Number : 06073857 **Diagnosed** : 31 Jan 2024
Unique Number : 10855948 **Diagnostician** : Angela Borella
Test Package : IND 2 (Additional Tests: KF, PQ)

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

Certificate L2367
 To discuss this sample report, contact Customer Service at 1-800-237-1369.
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 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)