



PROBLEM SUMMARY

Sample Rating Trend

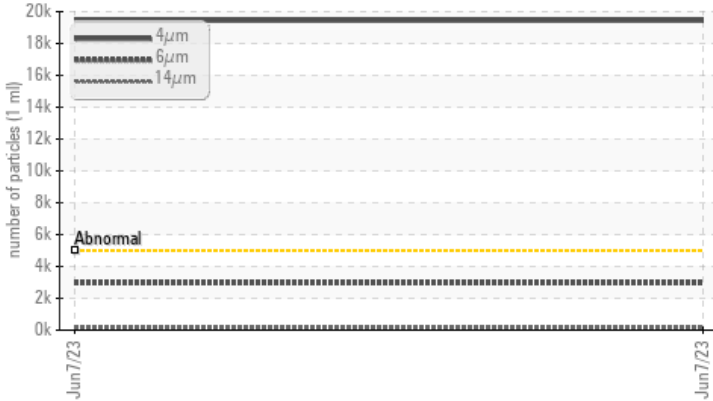
ISO

Area
INDIANA CROSSROADS II [46004111]
 Machine Id
T24 (S/N W-124713)
 Component
New (Unused) Oil
 Fluid
FUCHS RENOLIN CLP ISO 320 (--- LTR)



COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

This is a baseline read-out on the submitted sample.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	---	---
Particles >4µm	ASTM D7647	>5000	▲ 19440	---	---
Particles >6µm	ASTM D7647	>1300	▲ 2960	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 21/19/14	---	---

Customer Id: NORDEX
 Sample No.: NX013295
 Lab Number: 05878512
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

ISO



Area
INDIANA CROSSROADS II [46004111]
 Machine Id
T24 (S/N W-124713)
 Component
New (Unused) Oil
 Fluid
FUCHS RENOLIN CLP ISO 320 (--- LTR)



DIAGNOSIS

▲ Recommendation

This is a baseline read-out on the submitted sample.

▲ Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

SAMPLE INFORMATION	method	limit/base	current	history 1	history 2
Sample Number	Client Info		NX013295	---	---
Sample Date	Client Info		07 Jun 2023	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		Not Chngd	---	---
Sample Status			ABNORMAL	---	---

WEAR METALS	method	limit/base	current	history 1	history 2
PQ	ASTM D8184	>80	13	---	---
Iron	ppm	ASTM D5185m	>150	2	---
Chromium	ppm	ASTM D5185m	>5	<1	---
Nickel	ppm	ASTM D5185m	>10	<1	---
Titanium	ppm	ASTM D5185m		0	---
Silver	ppm	ASTM D5185m	>5	0	---
Aluminum	ppm	ASTM D5185m	>10	<1	---
Lead	ppm	ASTM D5185m	>20	<1	---
Copper	ppm	ASTM D5185m	>50	<1	---
Tin	ppm	ASTM D5185m	>5	<1	---
Vanadium	ppm	ASTM D5185m		<1	---
Cadmium	ppm	ASTM D5185m		<1	---

ADDITIVES	method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m		14	---
Barium	ppm	ASTM D5185m		<1	---
Molybdenum	ppm	ASTM D5185m		<1	---
Manganese	ppm	ASTM D5185m		<1	---
Magnesium	ppm	ASTM D5185m		5	---
Calcium	ppm	ASTM D5185m		21	---
Phosphorus	ppm	ASTM D5185m		235	---
Zinc	ppm	ASTM D5185m		3	---
Sulfur	ppm	ASTM D5185m		6083	---

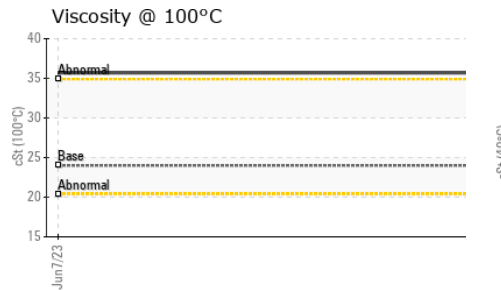
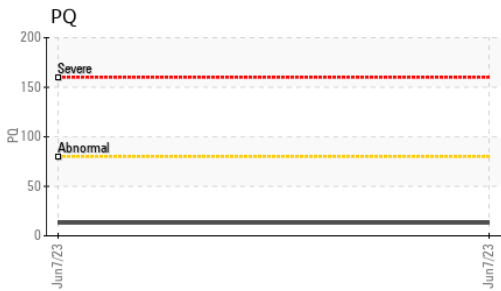
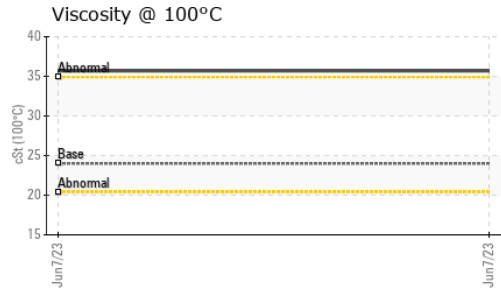
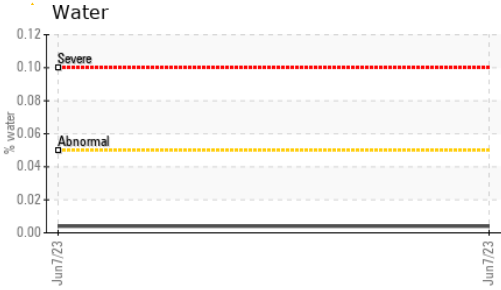
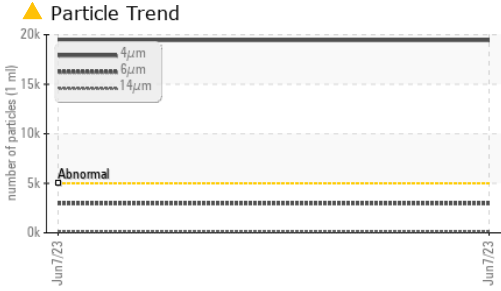
CONTAMINANTS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>50	7	---
Sodium	ppm	ASTM D5185m	>20	2	---
Potassium	ppm	ASTM D5185m	>20	1	---
Water	%	ASTM D6304	>0.05	0.004	---
ppm Water	ppm	ASTM D6304	>500	48.4	---

FLUID CLEANLINESS	method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647	>5000	▲ 19440	---	---
Particles >6µm	ASTM D7647	>1300	▲ 2960	---	---
Particles >14µm	ASTM D7647	>160	143	---	---
Particles >21µm	ASTM D7647	>40	26	---	---
Particles >38µm	ASTM D7647	>10	1	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 21/19/14	---	---

FLUID DEGRADATION	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.38	---	---



OIL ANALYSIS REPORT

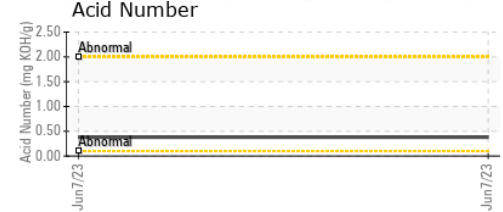
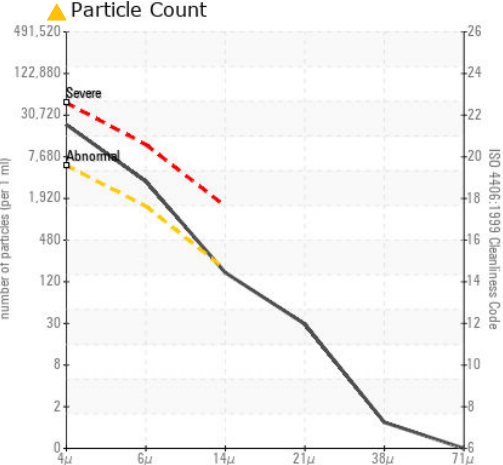
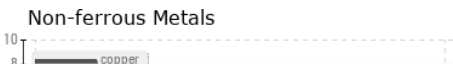


VISUAL	method	limit/base	current	history 1	history 2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
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	history 1	history 2	
Visc @ 40°C	cSt	ASTM D445	320	322.2	---	---
Visc @ 100°C	cSt	ASTM D445	24	35.69	---	---
Viscosity Index (VI)	Scale	ASTM D2270	95	157	---	---

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX013295 **Received** : 20 Jun 2023
Lab Number : 05878512 **Diagnosed** : 27 Jun 2023
Unique Number : 10523615 **Diagnostician** : Jonathan Hester

NORDEX USA - Chicago
 300 SOUTH WACKER DRIVE, SUITE 1500
 CHICAGO, IL
 US 60606
 Contact: KEVIN REGAN
 KRegan@nordex-online.com

Test Package : IND 2 (Additional Tests: FT-IR, ICP-NewOil, KF, KV100, PQ, PrtCount, VI)
 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)