

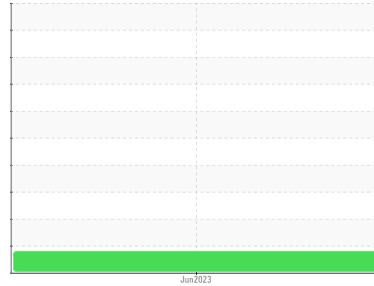


PROBLEM SUMMARY

Sample Rating Trend

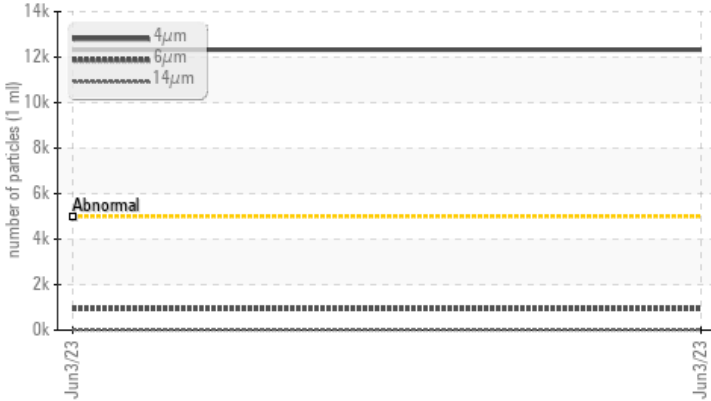
ISO

Area
INDIANA CROSSROADS II [46004111]
 Machine Id
T13 (S/N W-124687)
 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	▲ 12326	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 21/17/12	---	---

Customer Id: NORDEX
 Sample No.: NX013294
 Lab Number: 05878511
 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

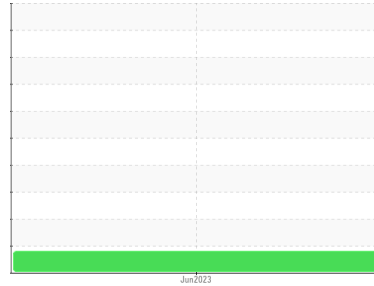


OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Area
INDIANA CROSSROADS II [46004111]
 Machine Id
T13 (S/N W-124687)
 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 < 6 microns in size) present in the oil.

SAMPLE INFORMATION

method	limit/base	current	history 1	history 2
Sample Number	Client Info	NX013294	---	---
Sample Date	Client Info	03 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	10	---	---
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	15	---	---
Barium	ppm ASTM D5185m	<1	---	---
Molybdenum	ppm ASTM D5185m	<1	---	---
Manganese	ppm ASTM D5185m	<1	---	---
Magnesium	ppm ASTM D5185m	5	---	---
Calcium	ppm ASTM D5185m	23	---	---
Phosphorus	ppm ASTM D5185m	243	---	---
Zinc	ppm ASTM D5185m	5	---	---
Sulfur	ppm ASTM D5185m	6141	---	---

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	0.005	---	---
ppm Water	ppm ASTM D6304 >500	54.2	---	---

FLUID CLEANLINESS

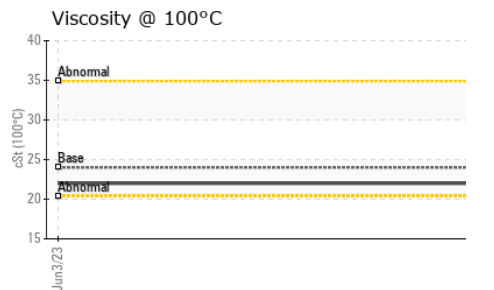
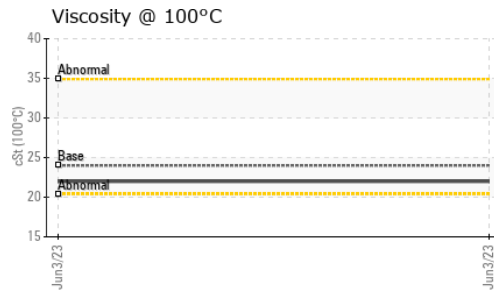
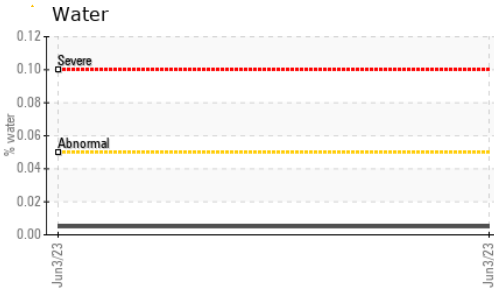
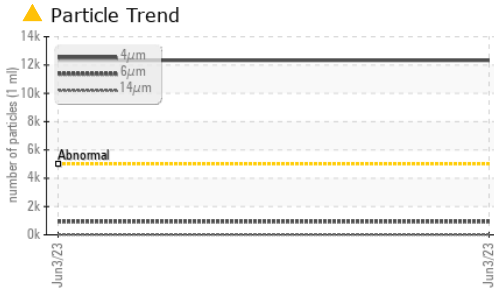
method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647 >5000	▲ 12326	---	---
Particles >6µm	ASTM D7647 >1300	938	---	---
Particles >14µm	ASTM D7647 >160	21	---	---
Particles >21µm	ASTM D7647 >40	6	---	---
Particles >38µm	ASTM D7647 >10	1	---	---
Particles >71µm	ASTM D7647 >3	1	---	---
Oil Cleanliness	ISO 4406 (c) >19/17/14	▲ 21/17/12	---	---

FLUID DEGRADATION

method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g ASTM D8045	0.40	---	---



OIL ANALYSIS REPORT

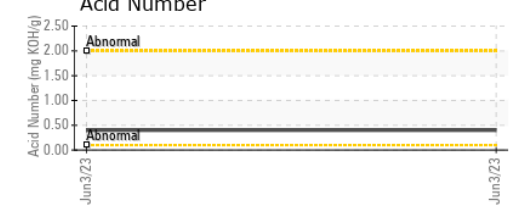
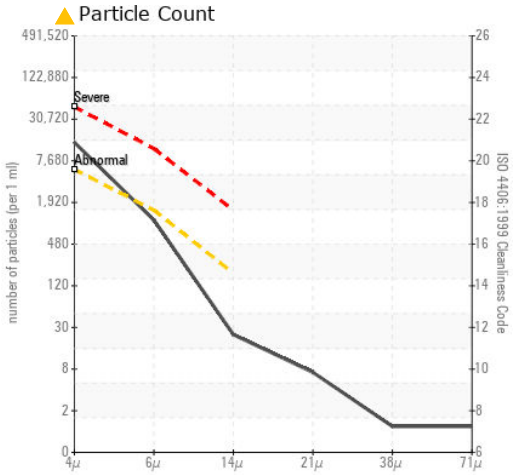
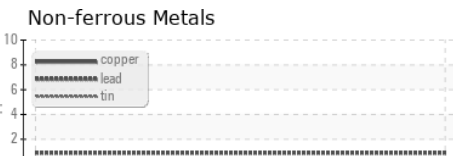


VISUAL	method	limit/base	current	history 1	history 2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
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	321.0	---	---
Visc @ 100°C	cSt	ASTM D445	24	22	---	---
Viscosity Index (VI)	Scale	ASTM D2270	95	82	---	---

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. : NX013294 **Received** : 20 Jun 2023
Lab Number : 05878511 **Diagnosed** : 27 Jun 2023
Unique Number : 10523614 **Diagnostician** : Jonathan Hester
Test Package : IND 2 (Additional Tests: FT-IR, ICP-NewOil, KF, KV100, PQ, PrtCount, VI)

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

Certificate L2367
 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)

T:
 F: (312)386-7102