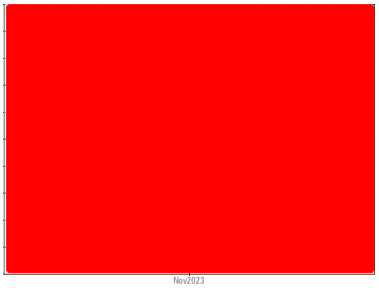
PROBLEM SUMMARY

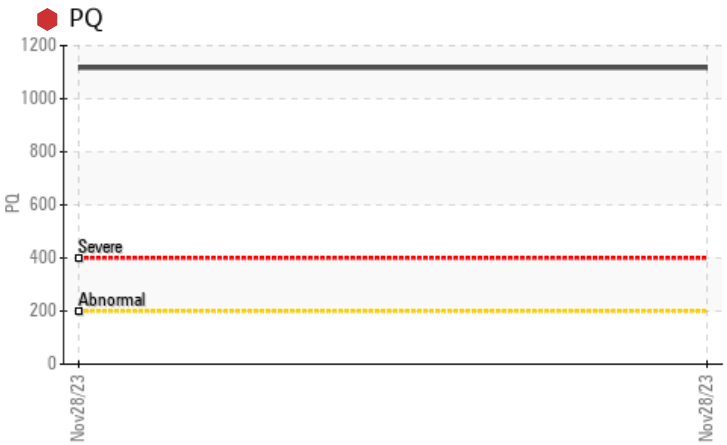
Sample Rating Trend

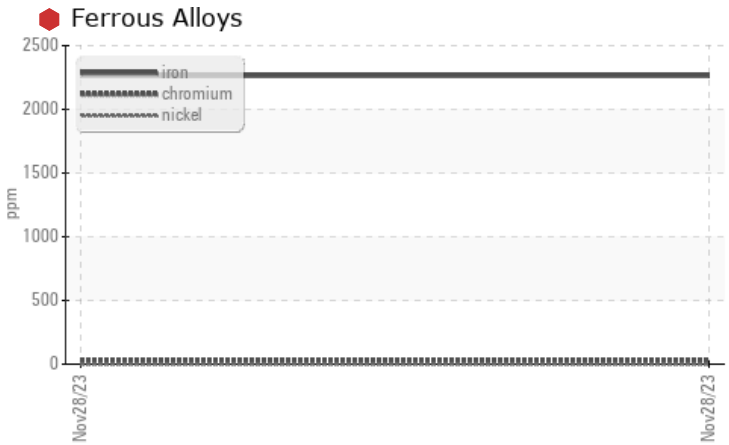


WEAR

Area
FRONTIER II [200006776]
Machine Id
19WEA86907
Component
Grease
Fluid
NOT GIVEN (--- LTR)

COMPONENT CONDITION SUMMARY





RECOMMENDATION

Re-sample to verify the actual oil condition. Purge old grease if still abnormal and monitor the trend of iron level. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				**SEVERE**	---	---
PQ		ASTM D8184	>200	**1117**	---	---
Iron	ppm	ASTM D5185m	>250	**2264**	---	---
Chromium	ppm	ASTM D5185m	>10	**32**	---	---

Customer Id: NORDEX
Sample No.: NX06026958
Lab Number: 06026958
Test Package: GRS 1

To manage this report scan the QR code

To discuss the diagnosis or test data:
Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

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

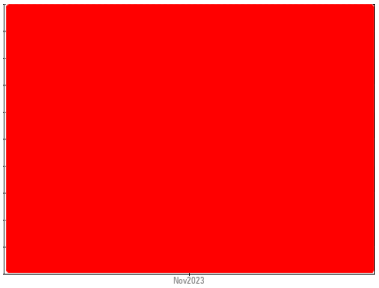
RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Monitor	---	---	?	Re-sample to verify the actual oil condition. Purge old grease if still abnormal and monitor the trend of iron level.
Change Fluid	---	---	?	Re-sample to verify the actual oil condition. Purge old grease if still abnormal and monitor the trend of iron level.
Resample	---	---	?	Re-sample to verify the actual oil condition. Purge old grease if still abnormal and monitor the trend of iron level. We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

GREASE ANALYSIS

Sample Rating Trend



WEAR

Area
FRONTIER II [200006776]
Machine Id
19WEA86907
Component
Grease
Fluid
NOT GIVEN (--- LTR)

DIAGNOSIS

Recommendation
Re-sample to verify the actual oil condition. Purge old grease if still abnormal and monitor the trend of iron level. We recommend an early resample to monitor this condition.

Wear
Bearing and/or bushing wear is indicated.

Grease Condition
The condition of the grease is acceptable for the time in service.

Contaminants
There is no indication of any contamination in the grease.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**NX06026958**	---	---
Sample Date		Client Info		**28 Nov 2023**	---	---
Machine Age	hrs	Client Info		**0**	---	---
Grease Age	hrs	Client Info		**0**	---	---
Grease Serviced		Client Info		**N/A**	---	---
Sample Status				**SEVERE**	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	**NEG**	---	---

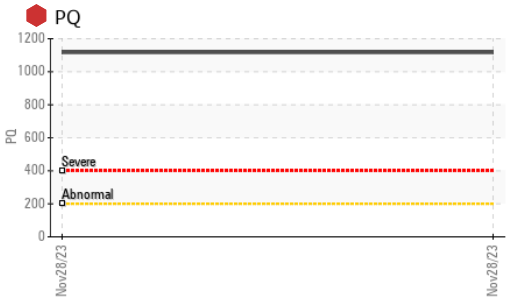
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>200	**1117**	---	---
Iron	ppm	ASTM D5185m	>250	**2264**	---	---
Chromium	ppm	ASTM D5185m	>10	**32**	---	---
Nickel	ppm	ASTM D5185m	>5	**0**	---	---
Cadmium	ppm	ASTM D5185m		**<1**	---	---
Titanium	ppm	ASTM D5185m		**<1**	---	---
Vanadium	ppm	ASTM D5185m		**2**	---	---
Lead	ppm	ASTM D5185m	>25	**3**	---	---
Copper	ppm	ASTM D5185m	>75	**46**	---	---
Tin	ppm	ASTM D5185m	>5	**0**	---	---
Silver	ppm	ASTM D5185m	>5	**<1**	---	---

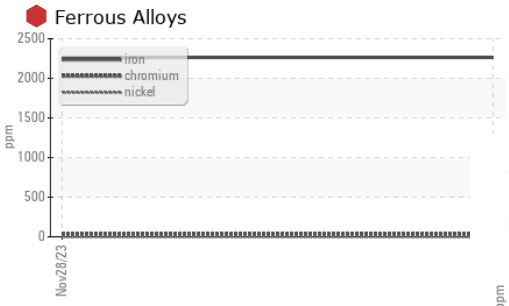
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**210**	---	---
Magnesium	ppm	ASTM D5185m		**0**	---	---
Manganese	ppm	ASTM D5185m		**19**	---	---
Molybdenum	ppm	ASTM D5185m		**5493**	---	---
Phosphorus	ppm	ASTM D5185m		**1049**	---	---
Zinc	ppm	ASTM D5185m		**274**	---	---

THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m		**0**	---	---
Barium	ppm	ASTM D5185m		**12**	---	---
Calcium	ppm	ASTM D5185m		**67**	---	---
Sodium	ppm	ASTM D5185m		**12**	---	---
Lithium	ppm	ASTM D5185m		**3645**	---	---
Sulfur	ppm	ASTM D5185m		**6123**	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>150	**145**	---	---
Potassium	ppm	ASTM D5185m		**4**	---	---

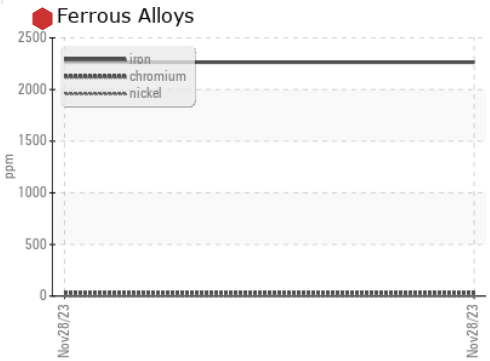
GREASE ANALYSIS

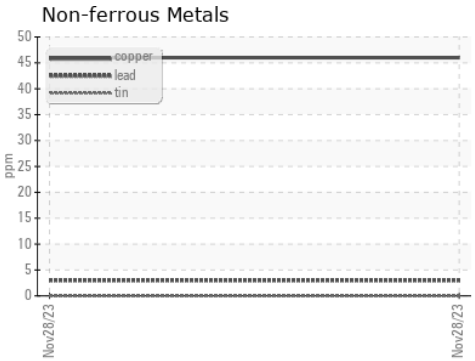


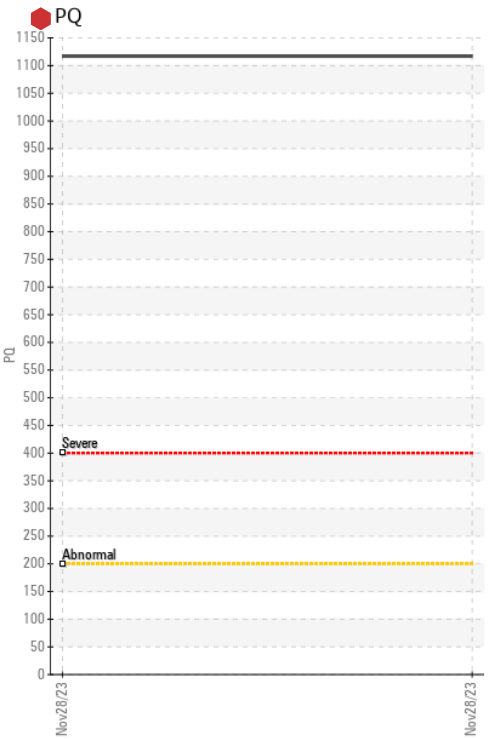


SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image
PrtFilter			no image	no image	no image

GRAPHS







Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX06026958 **Recieved** : 06 Dec 2023
Lab Number : 06026958 **Diagnosed** : 26 Dec 2023
Unique Number : 10776749 **Diagnostician** : Doug Bogart
Test Package : GRS 1 (Additional Tests: KV40, SCREEN)

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)

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