



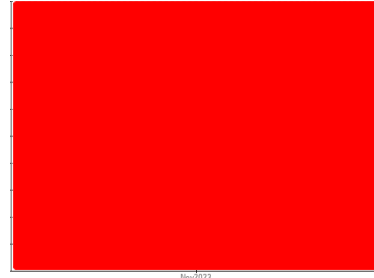
PROBLEM SUMMARY

Sample Rating Trend

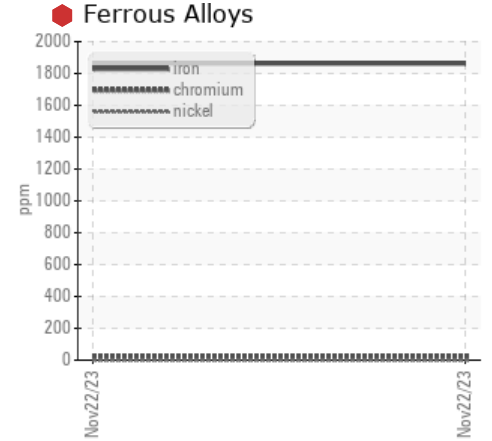
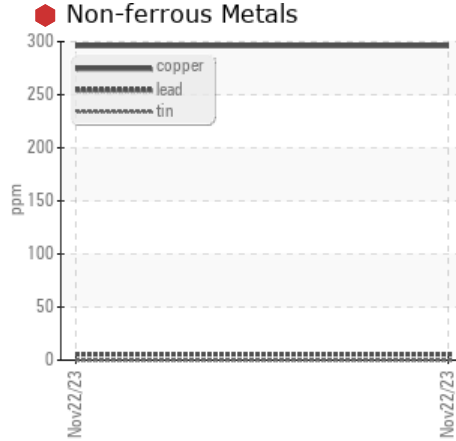
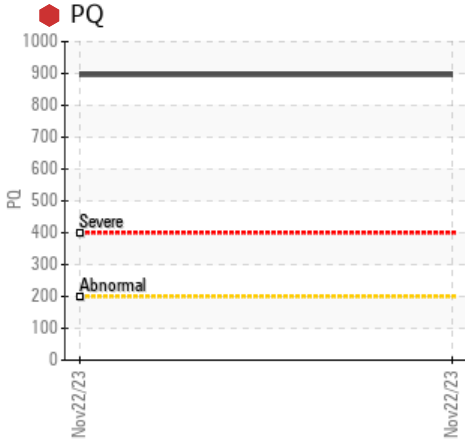
WEAR



Area
FRONTIER II [200006776]
 Machine Id
68WEA86856
 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	896	---	---
Iron	ppm	ASTM D5185m	>250	1863	---	---
Chromium	ppm	ASTM D5185m	>10	20	---	---
Copper	ppm	ASTM D5185m	>75	296	---	---

Customer Id: NORDEX
 Sample No.: NX06026960
 Lab Number: 06026960
 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

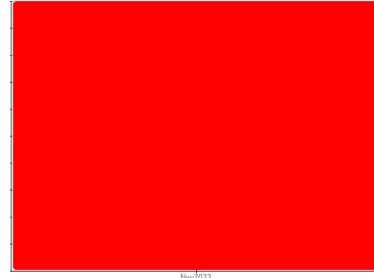


GREASE ANALYSIS

Sample Rating Trend

WEAR

Area
FRONTIER II [200006776]
 Machine Id
68WEA86856
 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		NX06026960	---	---
Sample Date	Client Info		22 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	896	---	---
Iron	ppm	ASTM D5185m >250	1863	---	---
Chromium	ppm	ASTM D5185m >10	20	---	---
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	6	---	---
Copper	ppm	ASTM D5185m >75	296	---	---
Tin	ppm	ASTM D5185m >5	0	---	---
Silver	ppm	ASTM D5185m >5	<1	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	214	---	---
Magnesium	ppm	ASTM D5185m	0	---	---
Manganese	ppm	ASTM D5185m	15	---	---
Molybdenum	ppm	ASTM D5185m	4992	---	---
Phosphorus	ppm	ASTM D5185m	1007	---	---
Zinc	ppm	ASTM D5185m	403	---	---

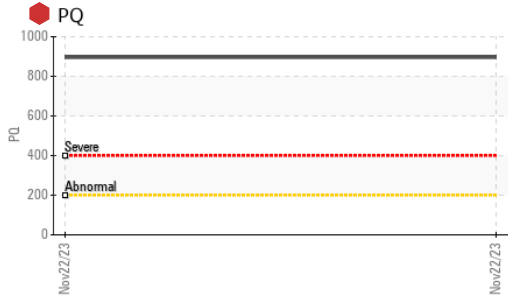
THICKENER/SOAP

	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	0	---	---
Barium	ppm	ASTM D5185m	11	---	---
Calcium	ppm	ASTM D5185m	32	---	---
Sodium	ppm	ASTM D5185m	17	---	---
Lithium	ppm	ASTM D5185m	3804	---	---
Sulfur	ppm	ASTM D5185m	6273	---	---

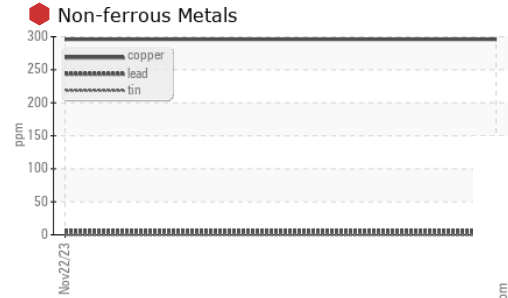
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >150	114	---	---
Potassium	ppm	ASTM D5185m	6	---	---

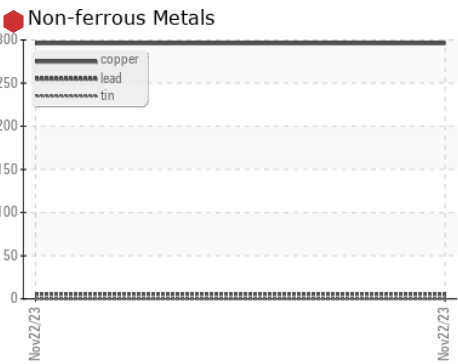
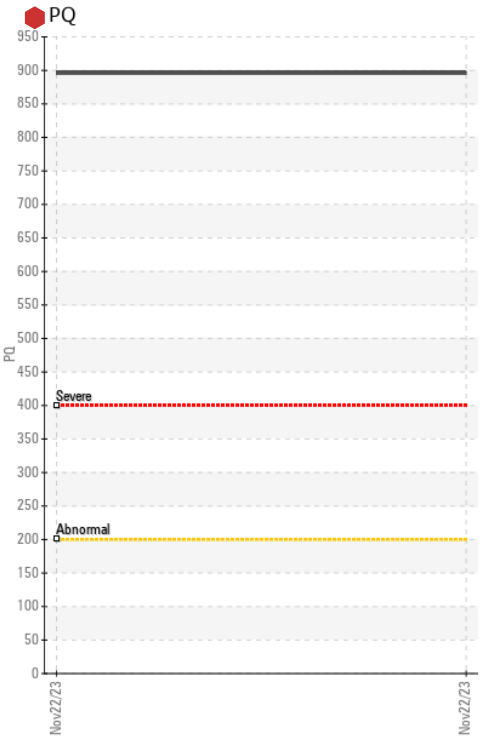
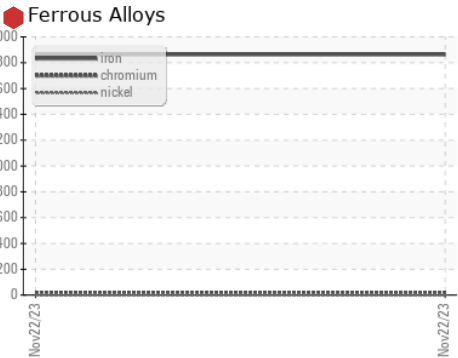
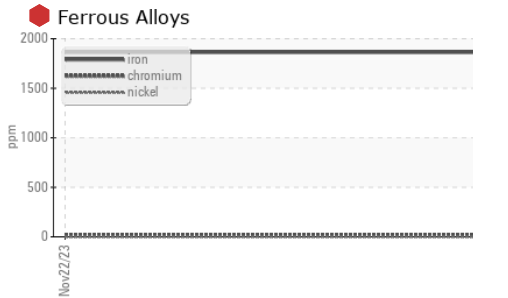
GREASE ANALYSIS



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



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX06026960 **Received** : 06 Dec 2023
Lab Number : 06026960 **Diagnosed** : 26 Dec 2023
Unique Number : 10776751 **Diagnostician** : Doug Bogart
Test Package : GRS 1 (Additional Tests: KV40, SCREEN)

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)

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