

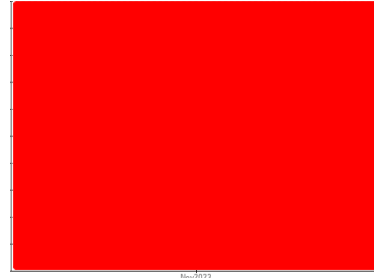


PROBLEM SUMMARY

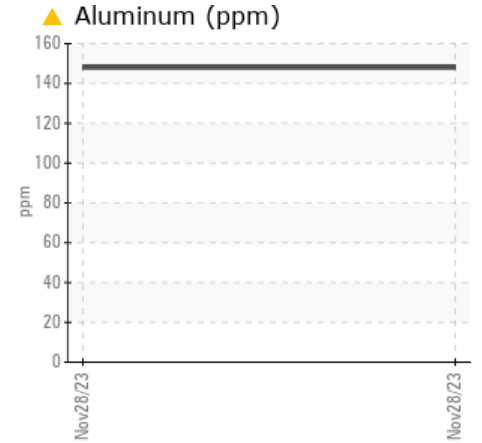
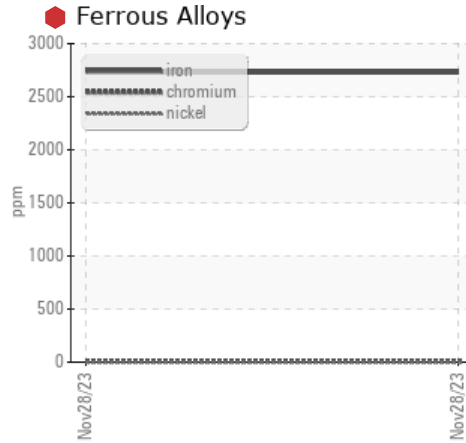
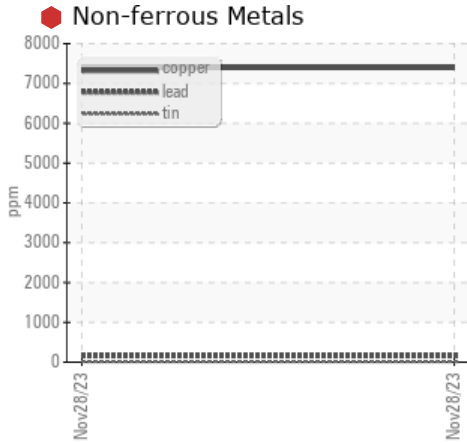
Sample Rating Trend

WEAR

Area
FRONTIER II [200006776]
 Machine Id
21WEA86887
 Component
Grease
 Fluid
NOT GIVEN (--- LTR)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

Re-sample to verify the actual grease condition.
 Purge old grease if still abnormal and monitor the trend of iron level.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	---	---
Iron	ppm	ASTM D5185m	>250	2729	---	---
Lead	ppm	ASTM D5185m	>25	154	---	---
Copper	ppm	ASTM D5185m	>75	7391	---	---
Tin	ppm	ASTM D5185m	>5	14	---	---
Aluminum	ppm	ASTM D5185m		148	---	---

Customer Id: NORDEX
 Sample No.: NX06026955
 Lab Number: 06026955
 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.

HISTORICAL DIAGNOSIS

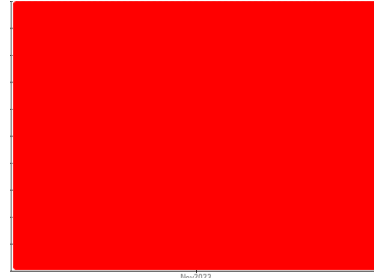


GREASE ANALYSIS

Sample Rating Trend

WEAR

Area
FRONTIER II [20006776]
 Machine Id
21WEA86887
 Component
Grease
 Fluid
NOT GIVEN (--- LTR)



DIAGNOSIS

Recommendation

Re-sample to verify the actual grease condition. Purge old grease if still abnormal and monitor the trend of iron level.

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		NX06026955	---	---
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	20	---	---
Iron	ppm	ASTM D5185m	>250	2729	---
Chromium	ppm	ASTM D5185m	>10	9	---
Nickel	ppm	ASTM D5185m	>5	2	---
Cadmium	ppm	ASTM D5185m		0	---
Titanium	ppm	ASTM D5185m		5	---
Vanadium	ppm	ASTM D5185m		1	---
Lead	ppm	ASTM D5185m	>25	154	---
Copper	ppm	ASTM D5185m	>75	7391	---
Tin	ppm	ASTM D5185m	>5	14	---
Silver	ppm	ASTM D5185m	>5	<1	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		115	---
Magnesium	ppm	ASTM D5185m		0	---
Manganese	ppm	ASTM D5185m		25	---
Molybdenum	ppm	ASTM D5185m		2104	---
Phosphorus	ppm	ASTM D5185m		1545	---
Zinc	ppm	ASTM D5185m		4864	---

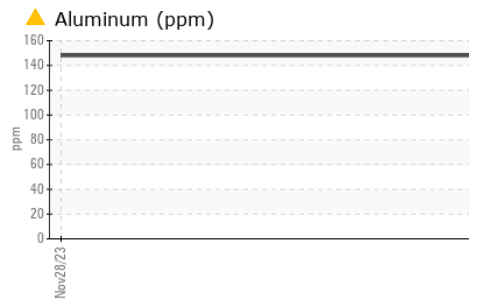
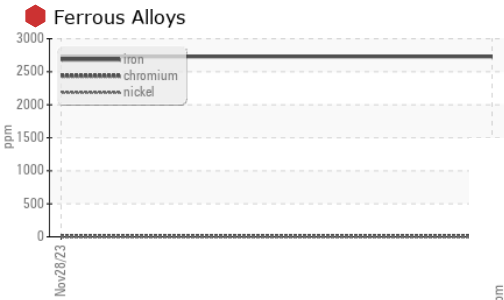
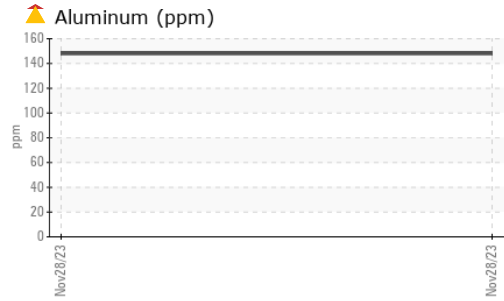
THICKENER/SOAP

	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m		148	---
Barium	ppm	ASTM D5185m		0	---
Calcium	ppm	ASTM D5185m		19	---
Sodium	ppm	ASTM D5185m		15	---
Lithium	ppm	ASTM D5185m		1696	---
Sulfur	ppm	ASTM D5185m		3380	---

CONTAMINANTS

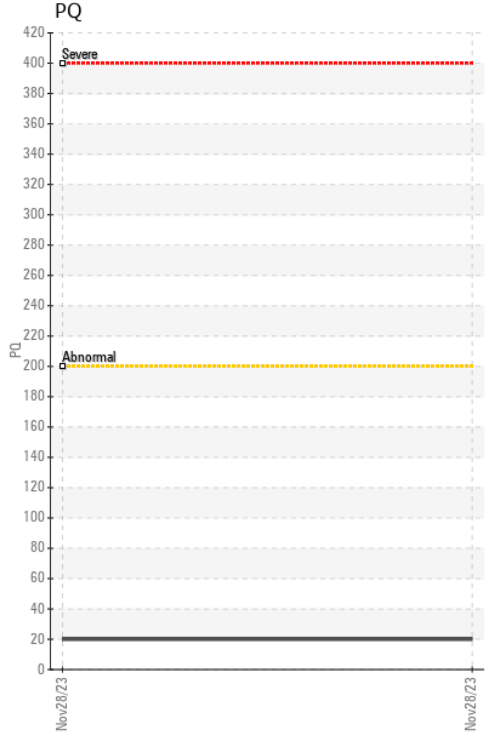
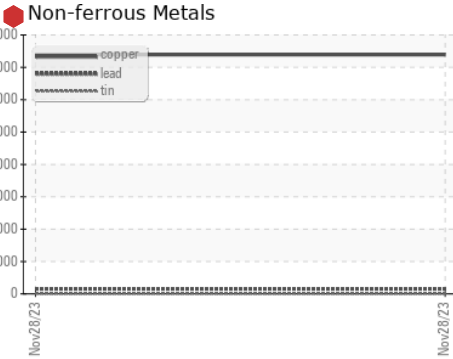
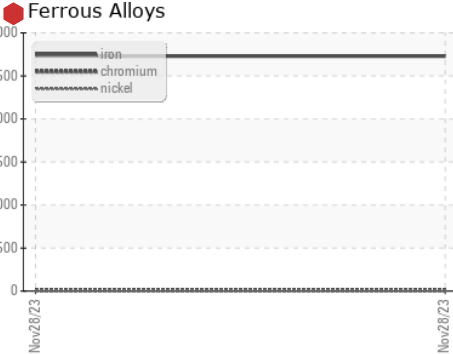
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>150	91	---
Potassium	ppm	ASTM D5185m		7	---

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. : NX06026955 **Received** : 06 Dec 2023
Lab Number : 06026955 **Diagnosed** : 26 Dec 2023
Unique Number : 10776746 **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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