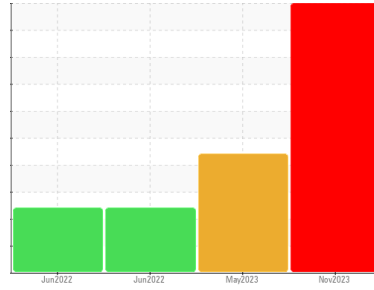




PROBLEM SUMMARY

Sample Rating Trend

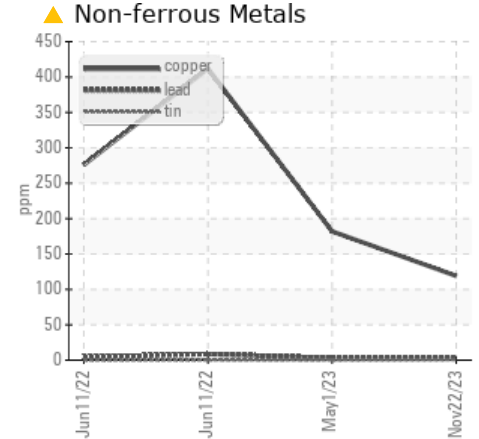
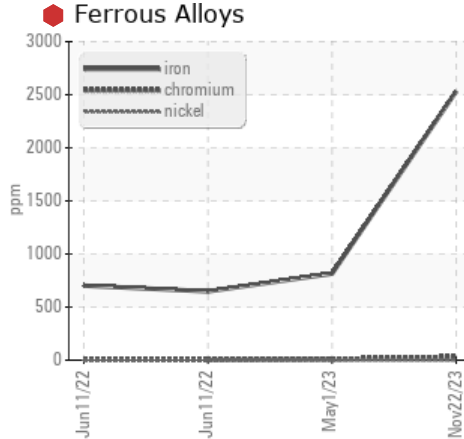
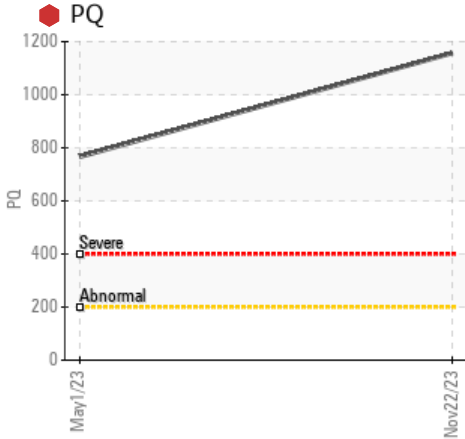


WEAR



Area
FRONTIER II [200006776]
 Machine Id
54WEA86923
 Component
Main Grease
 Fluid
NOT GIVEN (--- LTR)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Purge old grease immediately. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status	SEVERE	ABNORMAL	ABNORMAL
PQ	1157	766	---
Iron	2532	815	702
Chromium	32	9	7
Copper	119	182	276

Customer Id: NORDEX
 Sample No.: NX06026961
 Lab Number: 06026961
 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

01 May 2023 Diag: Doug Bogart

WEAR



No corrective action is recommended at this time. We recommend an early resample to establish wear rate. NOTE: one of two samples received with same ID. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the grease. The AN level is acceptable for this fluid.

[view report](#)



11 Jun 2022 Diag: Doug Bogart

WEAR



No corrective action is recommended at this time. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Generally an abnormal of wear indicated in the component. There is no indication of any contamination in the grease. The condition of the grease is acceptable for the time in service.

[view report](#)



11 Jun 2022 Diag: Doug Bogart

WEAR



No corrective action is recommended at this time. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Generally an abnormal of wear indicated in the component. There is no indication of any contamination in the grease. The condition of the grease is acceptable for the time in service.

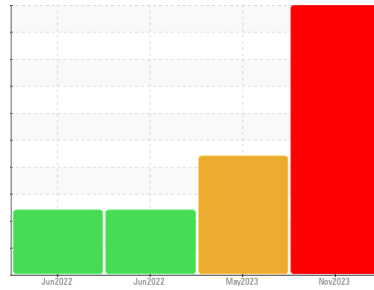
[view report](#)





GREASE ANALYSIS

Sample Rating Trend



WEAR



Area
FRONTIER II [200006776]
 Machine Id
54WEA86923
 Component
Main Grease
 Fluid
NOT GIVEN (--- LTR)

DIAGNOSIS

Recommendation

Purge old grease immediately. 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			NX06026961	NX05869059	NX05593369
Sample Date	Client Info			22 Nov 2023	01 May 2023	11 Jun 2022
Machine Age	hrs	Client Info		0	0	0
Grease Age	hrs	Client Info		0	0	0
Grease Serviced	Client Info			N/A	N/A	N/A
Sample Status				SEVERE	ABNORMAL	ABNORMAL

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

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>200	1157	766	---
Iron	ppm	ASTM D5185m	>250	2532	815	702
Chromium	ppm	ASTM D5185m	>10	32	9	7
Nickel	ppm	ASTM D5185m	>5	0	0	0
Cadmium	ppm	ASTM D5185m		<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	1	<1
Vanadium	ppm	ASTM D5185m		2	1	<1
Lead	ppm	ASTM D5185m	>25	3	3	4
Copper	ppm	ASTM D5185m	>75	119	182	276
Tin	ppm	ASTM D5185m	>5	<1	0	0
Silver	ppm	ASTM D5185m	>5	<1	<1	<1

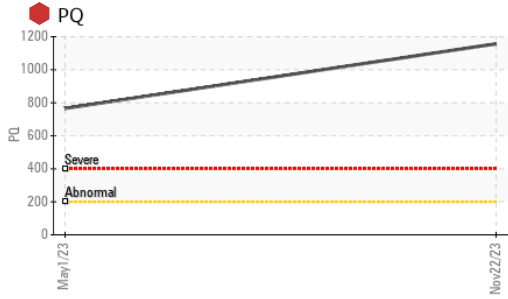
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		198	185	186
Magnesium	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		20	8	6
Molybdenum	ppm	ASTM D5185m		5400	5221	4135
Phosphorus	ppm	ASTM D5185m		1112	820	818
Zinc	ppm	ASTM D5185m		276	222	202

THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m		0	12	15
Barium	ppm	ASTM D5185m		11	14	11
Calcium	ppm	ASTM D5185m		23	26	12
Sodium	ppm	ASTM D5185m		24	11	28
Lithium	ppm	ASTM D5185m		3472	3384	3112
Sulfur	ppm	ASTM D5185m		5754	5517	5570

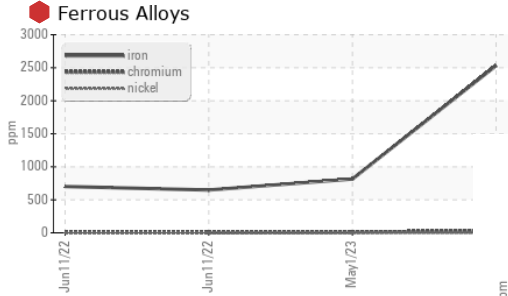
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>150	113	91	71
Potassium	ppm	ASTM D5185m		6	2	3

GREASE CONDITION		method	limit/base	current	history1	history2
Grease Color		*Visual		---	---	Brown
Texture		*In-house		---	---	Buttery
NLGI Consistency	NLGI Scale	*SKF Method		---	---	1

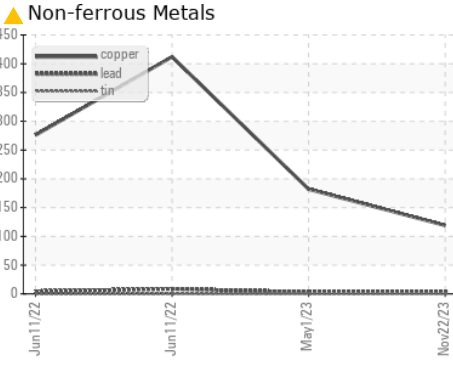
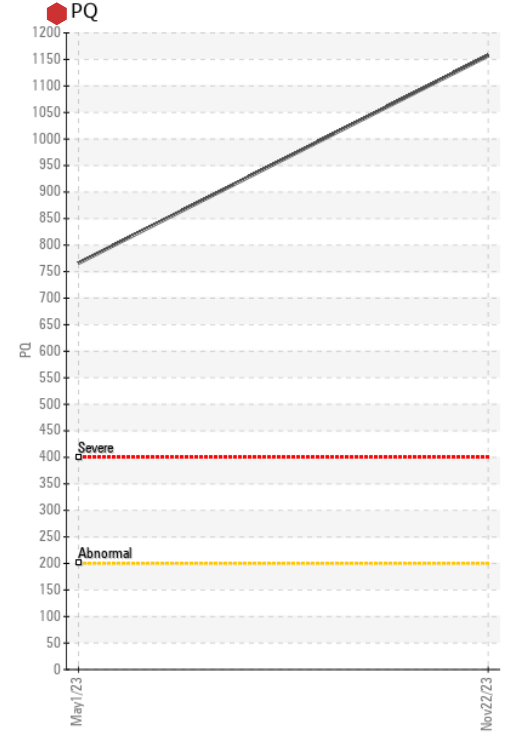
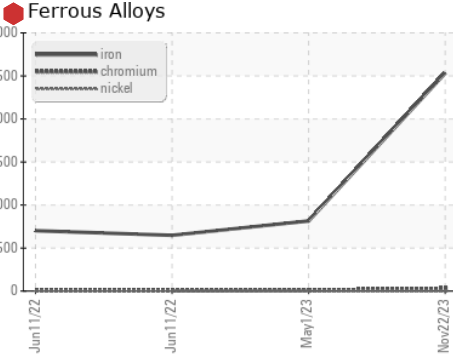
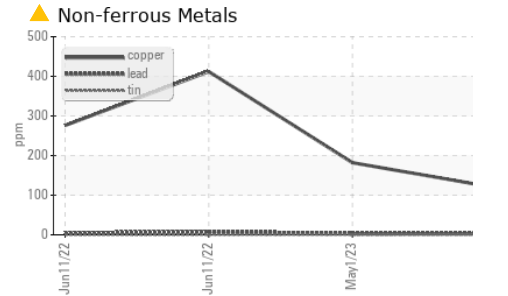
GREASE ANALYSIS



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



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX06026961 **Received** : 06 Dec 2023
Lab Number : 06026961 **Diagnosed** : 26 Dec 2023
Unique Number : 10776752 **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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