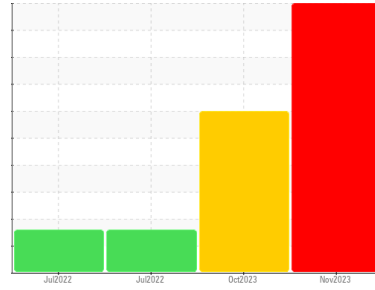




PROBLEM SUMMARY

Sample Rating Trend

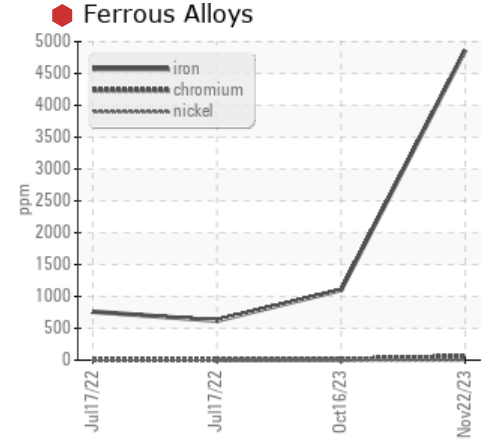
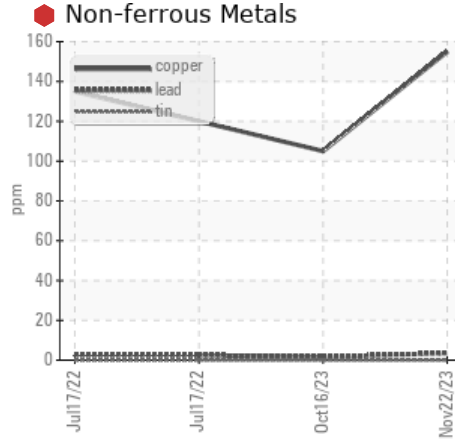
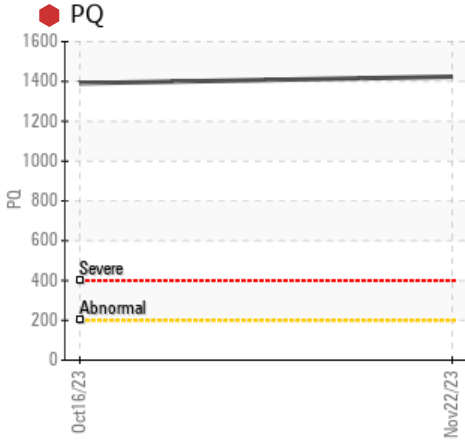


WEAR



Area
FRONTIER II
 Machine Id
69WEA86957
 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		ASTM D8184	>200	🔴 1424	🟡 1391	---
Iron	ppm	ASTM D5185m	>250	🔴 4866	🟡 1102	🟡 761
Chromium	ppm	ASTM D5185m	>10	🔴 61	🟡 11	4
Copper	ppm	ASTM D5185m	>75	🔴 155	🟡 105	🟡 135

Customer Id: NORDEX
 Sample No.: NX06026957
 Lab Number: 06026957
 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
Resample	---	---	?	Re-sample to verify the actual oil condition. Purge old grease immediately if still abnormal and monitor the trend of iron level. We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

16 Oct 2023 Diag: Doug Bogart

WEAR



Re-sample to verify the actual grease condition. Purge old grease if still abnormal and monitor the trend of iron level. Please specify the brand, type, and viscosity of the oil on your next sample. Bearing and/or bushing wear is indicated. Elemental level of silicon (Si) above normal. The condition of the grease is acceptable for the time in service.

view report



17 Jul 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 rate 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



17 Jul 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 rate 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.

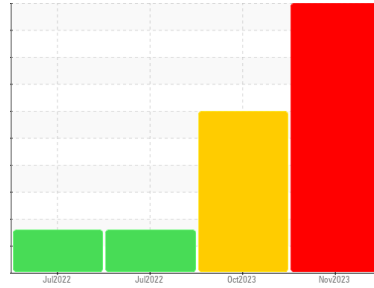
view report





GREASE ANALYSIS

Sample Rating Trend



WEAR



Area
FRONTIER II
 Machine Id
69WEA86957
 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		NX06026957	NX05989619	NX05593389
Sample Date	Client Info		22 Nov 2023	16 Oct 2023	17 Jul 2022
Machine Age	hrs	Client Info	0	12583	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	1424	1391	---	
Iron	ppm	ASTM D5185m	>250	4866	1102	761
Chromium	ppm	ASTM D5185m	>10	61	11	4
Nickel	ppm	ASTM D5185m	>5	1	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		1	<1	<1
Vanadium	ppm	ASTM D5185m		2	1	<1
Lead	ppm	ASTM D5185m	>25	4	2	3
Copper	ppm	ASTM D5185m	>75	155	105	135
Tin	ppm	ASTM D5185m	>5	0	0	0
Silver	ppm	ASTM D5185m	>5	0	<1	1

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		219	152	207
Magnesium	ppm	ASTM D5185m		7	0	0
Manganese	ppm	ASTM D5185m		40	10	11
Molybdenum	ppm	ASTM D5185m		4715	3462	2309
Phosphorus	ppm	ASTM D5185m		930	618	367
Zinc	ppm	ASTM D5185m		307	164	186

THICKENER/SOAP

	method	limit/base	current	history1	history2	
Aluminum	ppm	ASTM D5185m		0	4	9
Barium	ppm	ASTM D5185m		4	7	7
Calcium	ppm	ASTM D5185m		34	22	13
Sodium	ppm	ASTM D5185m		21	17	15
Lithium	ppm	ASTM D5185m		4037	3412	3531
Sulfur	ppm	ASTM D5185m		6376	4462	6191

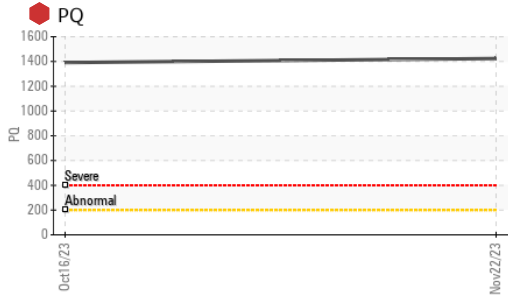
CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>150	112	987	48
Potassium	ppm	ASTM D5185m		7	2	2

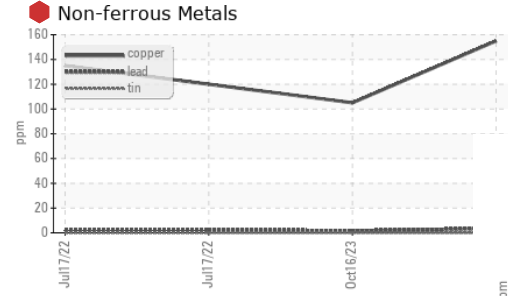
GREASE CONDITION

	method	limit/base	current	history1	history2
Grease Color	*Visual		---	Brown	Burgundy
Texture	*In-house		---	Buttery	Buttery
NLGI Consistency	NLGI Scale *SKF Method		---	1-2	1-2

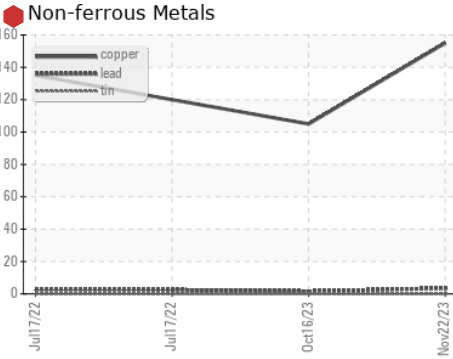
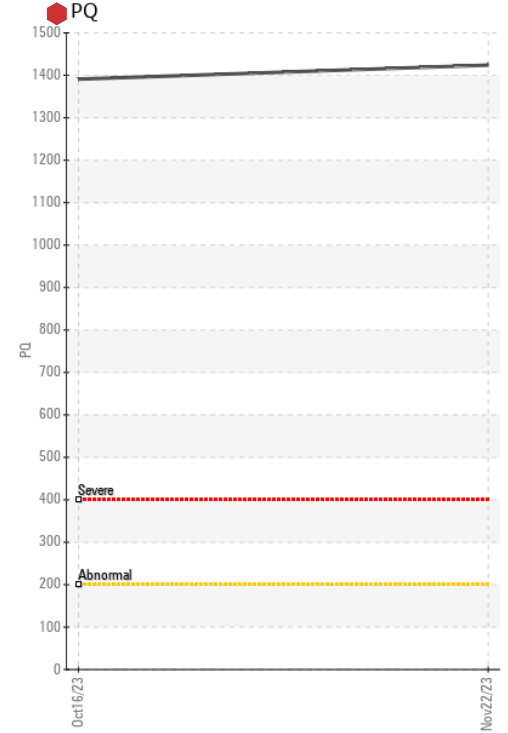
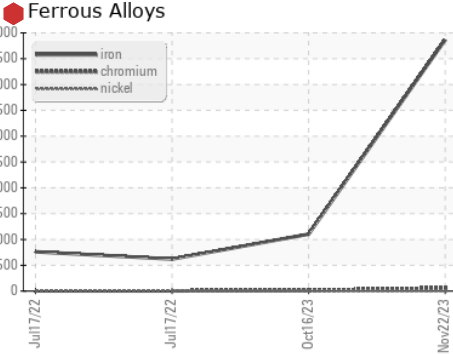
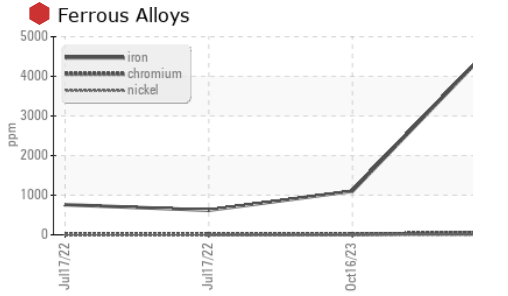
GREASE ANALYSIS



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



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX06026957 **Received** : 06 Dec 2023
Lab Number : 06026957 **Diagnosed** : 26 Dec 2023
Unique Number : 10776748 **Diagnostician** : Doug Bogart
Test Package : GRS 1 (Additional Tests: KV40, SCREEN)

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

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)