

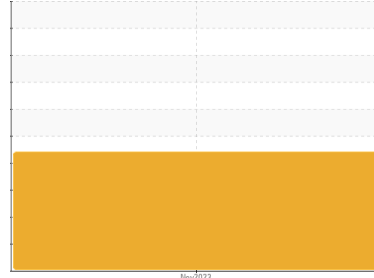


GREASE ANALYSIS

Sample Rating Trend

WEAR

Area
FRONTIER II [200006776]
 Machine Id
17WEA86908
 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.

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		NX06026963	---	---
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			ABNORMAL	---	---

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	▲ 676	---	---
Iron	ppm	ASTM D5185m	>250	▲ 1092	---
Chromium	ppm	ASTM D5185m	>10	▲ 11	---
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	2	---
Copper	ppm	ASTM D5185m	>75	▲ 76	---
Tin	ppm	ASTM D5185m	>5	0	---
Silver	ppm	ASTM D5185m	>5	<1	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		198	---
Magnesium	ppm	ASTM D5185m		0	---
Manganese	ppm	ASTM D5185m		9	---
Molybdenum	ppm	ASTM D5185m		4889	---
Phosphorus	ppm	ASTM D5185m		951	---
Zinc	ppm	ASTM D5185m		257	---

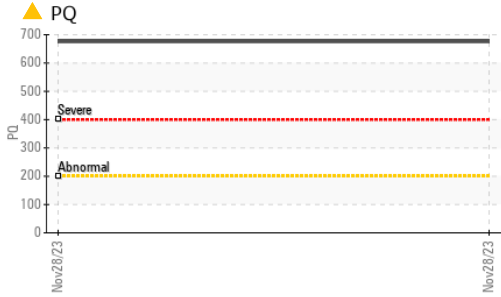
THICKENER/SOAP

	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m		0	---
Barium	ppm	ASTM D5185m		13	---
Calcium	ppm	ASTM D5185m		39	---
Sodium	ppm	ASTM D5185m		17	---
Lithium	ppm	ASTM D5185m		3620	---
Sulfur	ppm	ASTM D5185m		5792	---

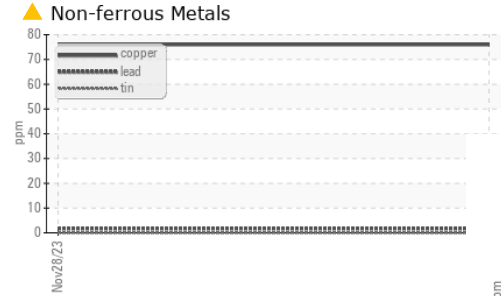
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>150	120	---
Potassium	ppm	ASTM D5185m		6	---

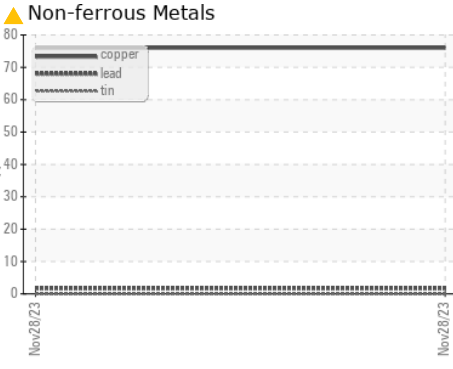
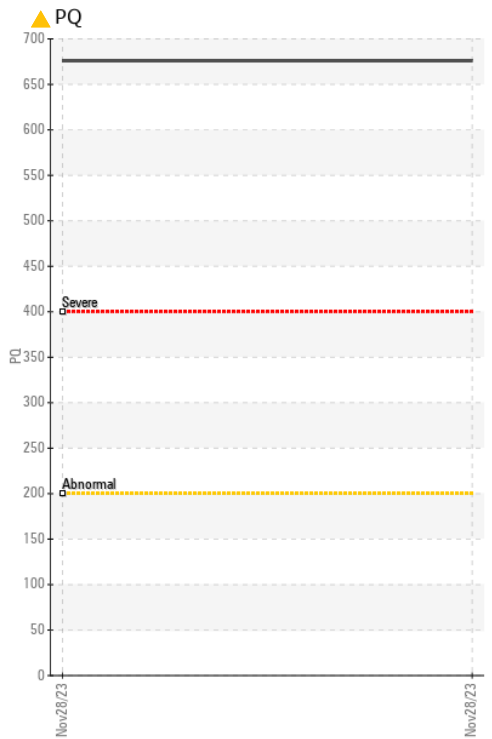
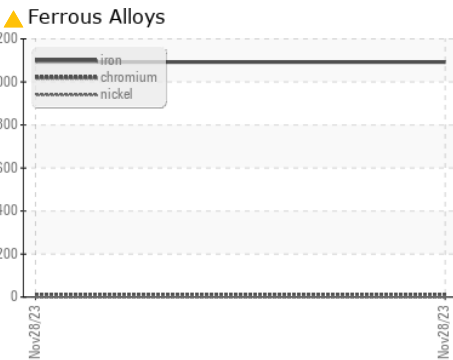
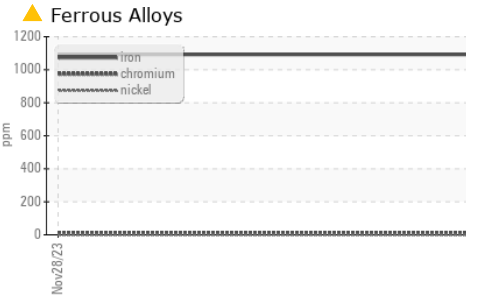
GREASE ANALYSIS



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



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX06026963 **Received** : 06 Dec 2023
Lab Number : 06026963 **Diagnosed** : 26 Dec 2023
Unique Number : 10776754 **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

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)