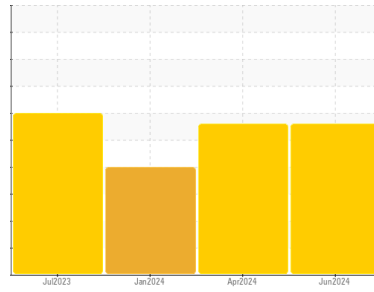




PROBLEM SUMMARY

Area
[170788]
 Machine Id
OVEN 2 MAIN
 Component
Main Gearbox
 Fluid
NEVASTANE 680 (5 LTR)

Sample Rating Trend

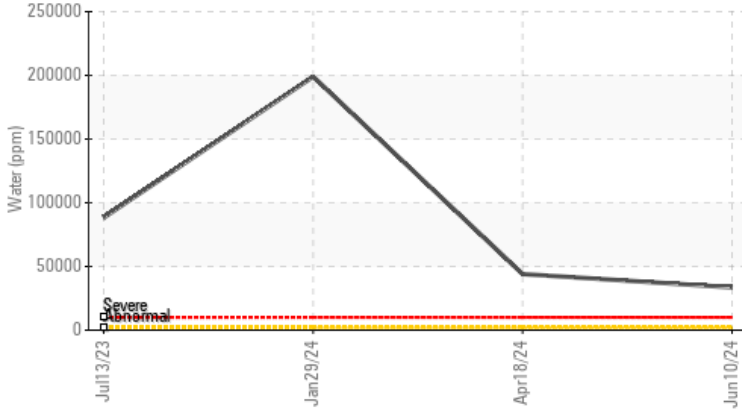


WATER



COMPONENT CONDITION SUMMARY

▲ Water (KF)



RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	SEVERE	SEVERE
Water	%	ASTM D6304*	>0.2	▲ 3.356	▲ 4.404	▲ 19.9
ppm Water	ppm	ASTM D6304*	>2000	▲ 33564	▲ 44042	▲ 199000
Appearance	scalar	Visual*	NORML	▲ LAYRD	▲ LAYRD	▲ LAYRD
Emulsified Water	scalar	Visual*	>0.2	▲ 1%	▲ .5%	NEG
Free Water	scalar	Visual*		▲ >10%	▲ 5%	NEG

Customer Id: GRA685CAM
 Sample No.: WC0929894
 Lab Number: 02641538
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Kevin Marson +1 (289)291-4644 x4644
Kevin.Marson@wearcheck.com

To change component or sample information:
 Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	We recommend that you drain the oil from the component if this has not already been done.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Information Required	---	---	?	Please specify the component make and model with your next sample.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

WATER



18 Apr 2024 Diag: Kevin Marson

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample. All component wear rates are normal. There is a high concentration of water present in the oil. Free water present. The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

view report



WATER



29 Jan 2024 Diag: Bill Quesnel

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample. All component wear rates are normal. There is a high concentration of water present in the oil. The sample contained a visible layer of foreign fluid contaminant, the origin and/or type of fluid is unknown. The oil is no longer serviceable due to the presence of contaminants.

view report



WATER



13 Jul 2023 Diag: Kevin Marson

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample. All component wear rates are normal. There is a high concentration of water present in the oil. Excessive free water present. Viscosity of sample indicates oil is within ISO 1000 range, advise investigate. The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

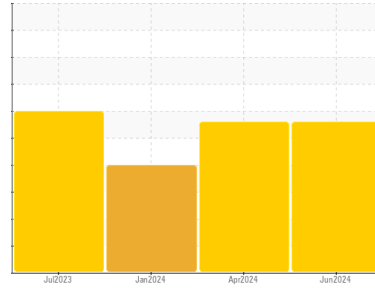
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area
[170788]
 Machine Id
OVEN 2 MAIN
 Component
Main Gearbox
 Fluid
NEVASTANE 680 (5 LTR)

DIAGNOSIS

▲ Recommendation

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

▲ Contamination

There is a high concentration of water present in the oil. Free water present.

Fluid Condition

The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0929894	WC0929902	WC0898855
Sample Date	Client Info		10 Jun 2024	18 Apr 2024	29 Jan 2024
Machine Age	days	Client Info	0	0	0
Oil Age	days	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			SEVERE	SEVERE	SEVERE

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m) >200	37	30	28
Chromium	ppm	ASTM D5185(m) >10	0	0	0
Nickel	ppm	ASTM D5185(m) >10	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m)	0	0	0
Aluminum	ppm	ASTM D5185(m) >25	0	0	<1
Lead	ppm	ASTM D5185(m) >50	0	0	<1
Copper	ppm	ASTM D5185(m) >200	4	4	7
Tin	ppm	ASTM D5185(m) >10	<1	<1	<1
Antimony	ppm	ASTM D5185(m) >5	0	0	0
Vanadium	ppm	ASTM D5185(m)	0	0	0
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	2	2	6
Barium	ppm	ASTM D5185(m)	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0
Manganese	ppm	ASTM D5185(m)	<1	0	0
Magnesium	ppm	ASTM D5185(m)	2	2	2
Calcium	ppm	ASTM D5185(m)	13	11	10
Phosphorus	ppm	ASTM D5185(m)	311	268	294
Zinc	ppm	ASTM D5185(m)	2	1	10
Sulfur	ppm	ASTM D5185(m)	669	460	349
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

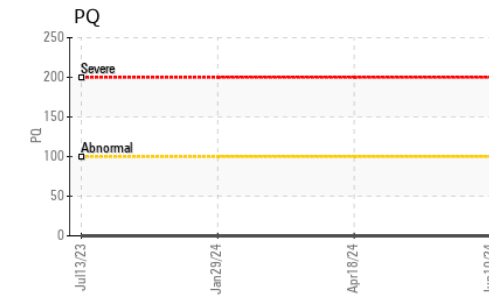
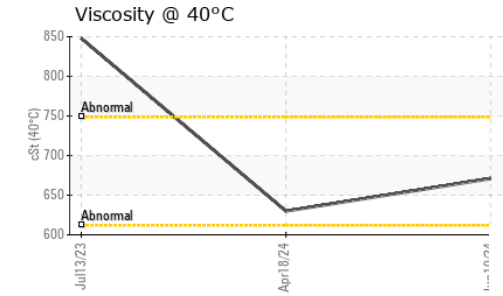
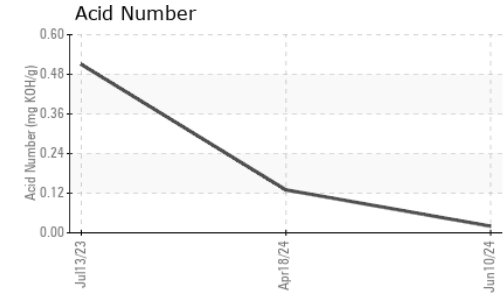
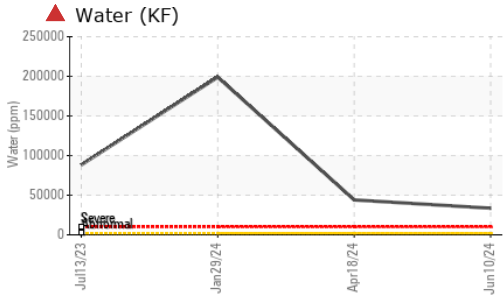
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	2	2	2
Sodium	ppm	ASTM D5185(m)	81	63	150
Potassium	ppm	ASTM D5185(m) >20	2	3	10
Water	%	ASTM D6304* >0.2	▲ 3.356	▲ 4.404	▲ 19.9
ppm Water	ppm	ASTM D6304* >2000	▲ 33564	▲ 44042	▲ 199000

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.02	0.13	---



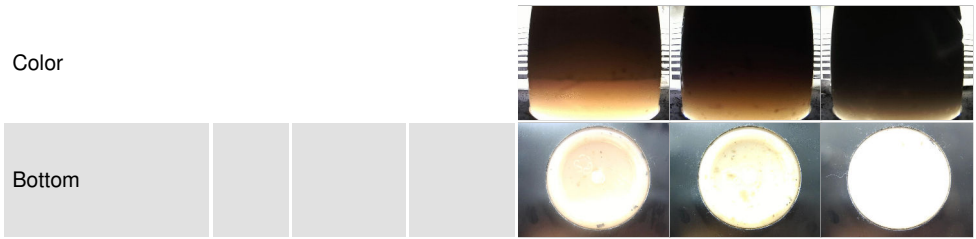
OIL ANALYSIS REPORT



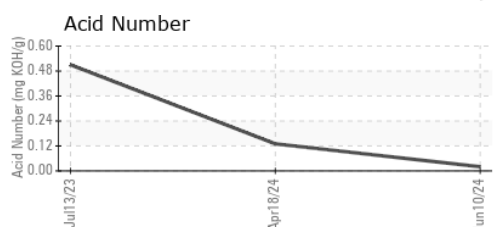
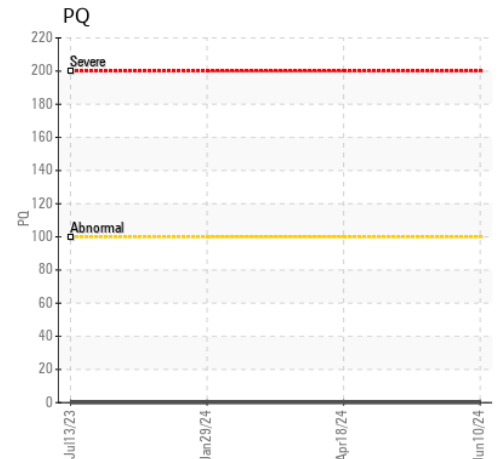
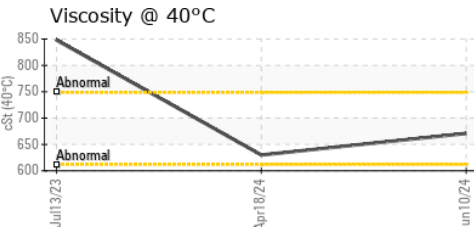
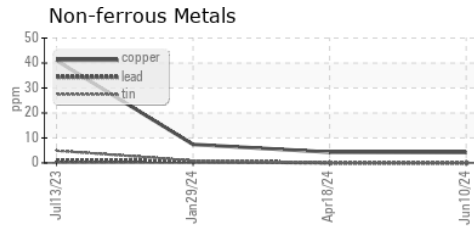
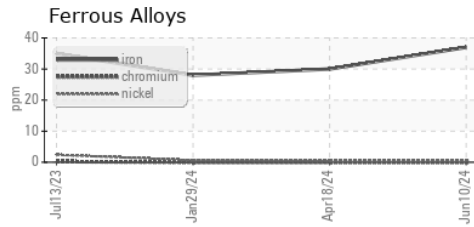
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	▲ LAYRD	▲ LAYRD
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	▲ 1%	▲ .5%
Free Water	scalar	Visual*		▲ >10%	▲ 5%

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	671	630	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0929894 **Received** : 12 Jun 2024
Lab Number : **02641538** **Tested** : 17 Jun 2024
Unique Number : 5799077 **Diagnosed** : 17 Jun 2024 - Kevin Marson
Test Package : IND 2 (Additional Tests: KF, TAN Man)

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

GRAND RIVER FOODS
 190 VONDRAU DRIVE
 CAMBRIDGE, ON
 CA N3E 1B8
 Contact: Ryan Shea
 rshea@grandriverfoods.com
 T: (519)653-3577
 F: