

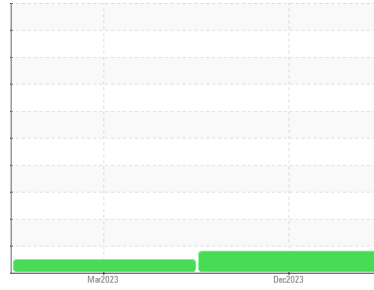


PROBLEM SUMMARY



Area
Bank of Montreal Comp.Ctr. #3 [357181]
 Machine Id
TRANE L79F-01794
 Component
Chiller
 Fluid
TRANE 0022 (--- GAL)

Sample Rating Trend



COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

We recommend an early resample to monitor this condition. No other corrective action is recommended at this time.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	NORMAL	---
Tin	ppm	ASTM D5185(m)	>4	▲ 16	<1	---

Customer Id: GTT0000257
 Sample No.: GTT0000923
 Lab Number: 02602978
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Bill Quesnel CLS,OMA II,MLA-III,LLA-I +1
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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
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

31 Mar 2023 Diag: Wes Davis

NORMAL



The test results indicate normal wear patterns for this type of unit with the moisture and acidity also in the acceptable range.

view report



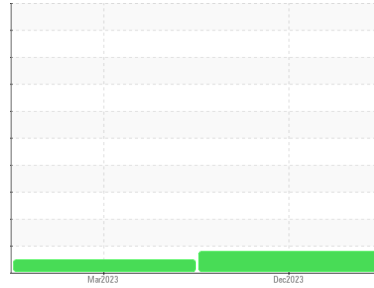
OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Area
Bank of Montreal Comp.Ctr. #3 [357181]
 Machine Id
TRANE L79F-01794
 Component
Chiller
 Fluid
TRANE 0022 (--- GAL)



DIAGNOSIS

▲ Recommendation

We recommend an early resample to monitor this condition. No other corrective action is recommended at this time.

▲ Wear

Tin ppm levels are abnormal. Motor bearing wear is occurring. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GTT0000923	GTT43576	---
Sample Date	Client Info		04 Dec 2023	31 Mar 2023	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed		Client Info	N/A	N/A	---
Sample Status			ABNORMAL	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >8	<1	<1	---
Chromium	ppm	ASTM D5185(m) >2	0	<1	---
Nickel	ppm	ASTM D5185(m)	<1	---	---
Titanium	ppm	ASTM D5185(m)	0	---	---
Silver	ppm	ASTM D5185(m) >2	<1	---	---
Aluminum	ppm	ASTM D5185(m) >3	0	<1	---
Lead	ppm	ASTM D5185(m) >2	<1	<1	---
Copper	ppm	ASTM D5185(m) >8	<1	<1	---
Tin	ppm	ASTM D5185(m) >4	▲ 16	<1	---
Antimony	ppm	ASTM D5185(m)	0	---	---
Vanadium	ppm	ASTM D5185(m)	0	---	---
Beryllium	ppm	ASTM D5185(m)	0	---	---
Cadmium	ppm	ASTM D5185(m)	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 0	<1	---	---
Barium	ppm	ASTM D5185(m) 0	<1	---	---
Molybdenum	ppm	ASTM D5185(m) 0	0	---	---
Manganese	ppm	ASTM D5185(m) 0	0	---	---
Magnesium	ppm	ASTM D5185(m) 0	0	---	---
Calcium	ppm	ASTM D5185(m) 0	0	---	---
Phosphorus	ppm	ASTM D5185(m) 35	3	---	---
Zinc	ppm	ASTM D5185(m) 0	<1	<1	---
Sulfur	ppm	ASTM D5185(m) 30	37	---	---
Lithium	ppm	ASTM D5185(m)	1	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	8	---	---
Sodium	ppm	ASTM D5185(m)	5	---	---
Potassium	ppm	ASTM D5185(m) >20	8	---	---
ppm Water	ppm	ASTM D6304* >50	15	12	---

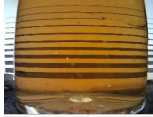

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.05	0.02	0.017	---

OIL ANALYSIS REPORT

VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	47	39.7	---	---

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

GRAPHS



Sample No. : GTT0000923 **Recieved** : 13 Dec 2023
Lab Number : 02602978 **Diagnosed** : 15 Dec 2023
Unique Number : 5696063 **Diagnostician** : Bill Quesnel
Test Package : IND 2 (Additional Tests: KV40)

To discuss this sample report, contact Customer Service at 1-905-847-9300 Ext 26.

Test denoted () outside scope of accreditation, (m) method modified, (e) tested at external lab.*

Damages: Seller shall in no event be liable for special, incidental, or consequential damages, of a commercial nature, resulting from any cause.

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