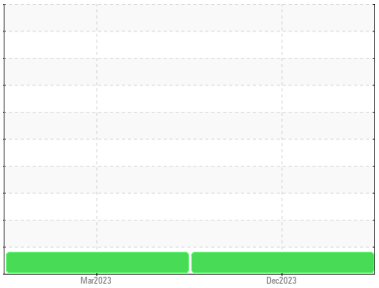
PROBLEM SUMMARY

Area
Bank of Montreal Comp. Ctr. #5 [357181]
Machine Id
TRANE L15A-00065
Component
Chiller
Fluid
TRANE 0022 (--- GAL)

Sample Rating Trend



WEAR

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**	ABNORMAL	---
Tin	ppm	ASTM D5185(m)	>4	▲ **7**	<1	---

Customer Id: GTT0000257
Sample No.: GTT0000925
Lab Number: 02602992
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 (289)291-4641 x4641
Bill.Quesnel@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
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

31 Mar 2023 Diag: Wes Davis

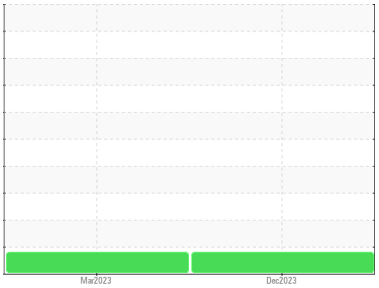
WEAR

The increased iron reading shows possible moderate wear occurring on the outboard motor bearing. All other readings are in normal ranges.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

Area
Bank of Montreal Comp. Ctr. #5 [357181]
Machine Id
TRANE L15A-00065
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.

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		**GTT0000925**	GTT35582	---
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**	ABNORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>8	**5**	▲ 4	---
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	**3**	3	---
Tin	ppm	ASTM D5185(m)	>4	▲ **7**	<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	**<1**	---	---
Calcium	ppm	ASTM D5185(m)	0	**<1**	---	---
Phosphorus	ppm	ASTM D5185(m)	35	**<1**	---	---
Zinc	ppm	ASTM D5185(m)	0	**11**	11	---
Sulfur	ppm	ASTM D5185(m)	30	**22**	---	---
Lithium	ppm	ASTM D5185(m)		**2**	---	---

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	**4**	---	---
ppm Water	ppm	ASTM D6304*	>50	**4**	12	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.05	**0.03**	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	**44.4**	---	---

SAMPLE IMAGES				current	history1	history2
Color					*no image*	*no image*
Bottom					*no image*	*no image*

GRAPHS

Sample No. : GTT0000925
Lab Number : 02602992
Unique Number : 5696077
Test Package : IND 2 (Additional Tests: KV40)

Recieved : 13 Dec 2023
Diagnosed : 18 Dec 2023
Diagnostician : Bill Quesnel

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.

Modern Niagara Building Services
8125 Hwy 50
Vaughan, ON
CA L4H 4S6
Contact: Service Manager
T:
F: