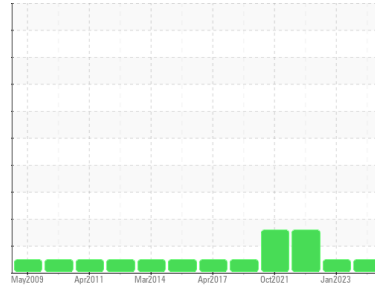




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**[817296]**  
 Machine Id  
**TRANE L05K04633**  
 Component  
**Chiller**  
 Fluid  
**REFRIG COMP OIL ISO 46 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

### Wear

All component wear rates are normal.

### Contamination

The water content is negligible. There is no indication of any contamination in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GTT0002117</b>	GTT34105	GTT34106
Sample Date	Client Info		<b>20 Sep 2023</b>	31 Jan 2023	01 Apr 2022
Machine Age	hrs	Client Info	<b>0</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	NORMAL	ATTENTION

## WEAR METALS

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

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 5	<b>0</b>	---	---
Barium	ppm	ASTM D5185(m) 5	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m) 5	<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m) 5	<b>&lt;1</b>	---	---
Calcium	ppm	ASTM D5185(m) 12	<b>0</b>	---	---
Phosphorus	ppm	ASTM D5185(m) 12	<b>0</b>	---	---
Zinc	ppm	ASTM D5185(m) 12	<b>1</b>	<1	<1
Sulfur	ppm	ASTM D5185(m) 1000	<b>0</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>1</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	<b>22</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>2</b>	---	---
ppm Water	ppm	ASTM D6304* >100	<b>20</b>	12	51

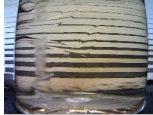

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.10	<b>0.03</b>	0.003	0.014

# OIL ANALYSIS REPORT

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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	46	<b>39.3</b>	---

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

## GRAPHS



**Sample No.** : GTT0002117  
**Lab Number** : 02621025  
**Unique Number** : 5746144  
**Test Package** : IND 2 ( Additional Tests: KV40 )

**Received** : 08 Mar 2024  
**Tested** : 11 Mar 2024  
**Diagnosed** : 11 Mar 2024 - 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.*

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