



# OIL ANALYSIS REPORT

Sample Rating Trend

WATER



Area  
**Industries Alliance 925 Ch#2 [1-131604265690]**  
 Machine Id  
**TRANE U08K011904**  
 Component  
**Chiller**  
 Fluid  
**COMP OIL (POE) ISO 68 (--- 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 elevated moisture content is associated with POE oils which are hygroscopic, and can absorb moisture from sampling and processing.

### 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>GTT0001274</b>	---	---
Sample Date	Client Info		<b>01 Dec 2023</b>	---	---
Machine Age	hrs	Client Info	<b>0</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>ATTENTION</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >8	<b>0</b>	---	---
Chromium	ppm	ASTM D5185(m) >2	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m)	<b>0</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>	---	---
Lead	ppm	ASTM D5185(m) >2	<b>0</b>	---	---
Copper	ppm	ASTM D5185(m) >8	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185(m) >4	<b>0</b>	---	---
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>1</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>0</b>	---	---
Calcium	ppm	ASTM D5185(m) 5	<b>0</b>	---	---
Phosphorus	ppm	ASTM D5185(m) 400	<b>5</b>	---	---
Zinc	ppm	ASTM D5185(m) 5	<b>&lt;1</b>	---	---
Sulfur	ppm	ASTM D5185(m) 100	<b>0</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	<b>126</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>5</b>	---	---
ppm Water	ppm	ASTM D6304* >300	<b>▲ 425</b>	---	---

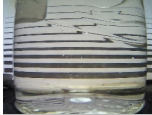

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.40	<b>0.10</b>	---	---

# 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)	68	<b>57.0</b>	---

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

## GRAPHS



**Sample No.** : GTT0001274      **Recieved** : 03 Jan 2024  
**Lab Number** : **02606398**      **Diagnosed** : 12 Jan 2024  
**Unique Number** : 5707484      **Diagnostician** : Bill Quesnel  
**Test Package** : IND 2 ( Additional Tests: KV40 )

**Johnson Controls- Quebec**  
 Accounts Payable, A-33  
 Milwaukee, WI  
 US 53201201  
 Contact: Service Manager

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.

T:  
F: