

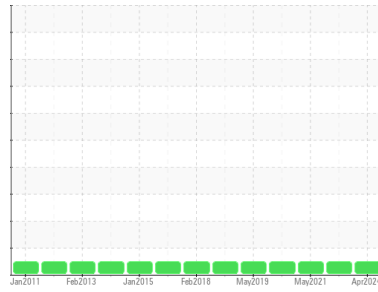


# OIL ANALYSIS REPORT



Area  
**[GTT224-372 1-10MW55H]**  
 Machine Id  
**YORK SDVM284200**  
 Component  
**Chiller**  
 Fluid  
**YORK TYPE K (--- GAL)**

Sample Rating Trend



**NORMAL**



## DIAGNOSIS

**Recommendation**  
 Resample at the next service interval to monitor.

**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>GTT0001031</b>	GTT64334	GTT64335
Sample Date	Client Info		<b>05 Apr 2024</b>	07 Apr 2022	07 May 2021
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	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m)	>8	<b>0</b>	<1	<1
Chromium	ppm ASTM D5185(m)	>2	<b>0</b>	<1	<1
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>	<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>0</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)	0	<b>&lt;1</b>	---	---
Barium	ppm ASTM D5185(m)	0	<b>0</b>	---	---
Molybdenum	ppm ASTM D5185(m)	0	<b>0</b>	---	---
Manganese	ppm ASTM D5185(m)	0	<b>0</b>	---	---
Magnesium	ppm ASTM D5185(m)	0	<b>0</b>	---	---
Calcium	ppm ASTM D5185(m)	0	<b>0</b>	---	---
Phosphorus	ppm ASTM D5185(m)	5	<b>0</b>	---	---
Zinc	ppm ASTM D5185(m)	0	<b>1</b>	<1	<1
Sulfur	ppm ASTM D5185(m)	10	<b>16</b>	---	---
Lithium	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)	>15	<b>2</b>	---	---
Sodium	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Potassium	ppm ASTM D5185(m)	>20	<b>1</b>	---	---
ppm Water	ppm ASTM D6304*	>300	<b>150</b>	76	159



## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974*	0.03	<b>0.06</b>	0.009	0.041

# 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>VLITE</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)	32.0	<b>31.0</b>	---

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

## GRAPHS



**Sample No.** : GTT0001031      **Received** : 16 Apr 2024  
**Lab Number** : 02629422      **Tested** : 22 Apr 2024  
**Unique Number** : 5762554      **Diagnosed** : 22 Apr 2024 - 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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