

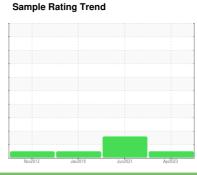
# **OIL ANALYSIS REPORT**

# **UTILITIES**

# 96UX08 YORK PROCESS GLYCOL CHILLER (S/N 10241A19417686)

**Refrigeration Compressor** 

FRICK COMPRESSOR OIL #13 (--- GAL)





## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

### **Fluid Condition**

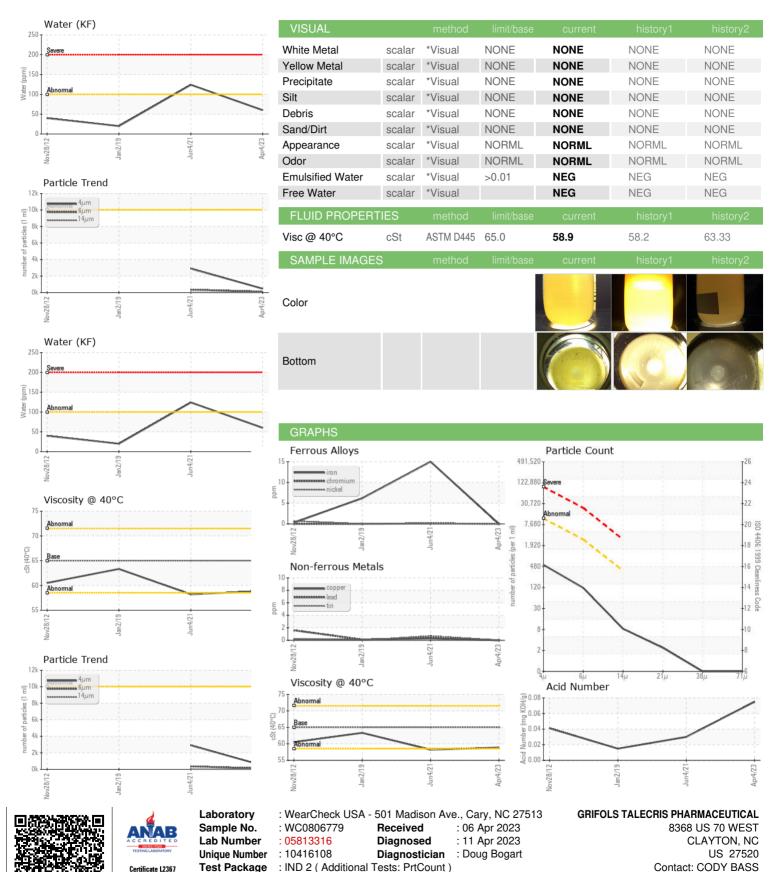
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

	Nov2012 Jan2019 Jan2021 Apr2023						
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		WC0806779	WC0525122	WCI2351710	
Sample Date		Client Info		04 Apr 2023	04 Jun 2021	02 Jan 2019	
Machine Age	hrs	Client Info		70327	55235	34475	
Oil Age	hrs	Client Info		0	0	0	
Oil Changed		Client Info		Not Changd	Not Changd	N/A	
Sample Status				NORMAL	MARGINAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>50	0	15	6	
Chromium	ppm	ASTM D5185m	>10	0	<1	0	
Nickel	ppm	ASTM D5185m		0	<1	0	
Titanium	ppm	ASTM D5185m		0	0	0	
Silver	ppm	ASTM D5185m		0	<1	0	
Aluminum	ppm	ASTM D5185m	>10	<1	<1	<1	
Lead	ppm	ASTM D5185m	>10	0	<1	<1	
Copper	ppm	ASTM D5185m	>50	0	<1	<1	
Tin	ppm	ASTM D5185m	>10	0	<1	0	
Antimony	ppm	ASTM D5185m			2	0	
Vanadium	ppm	ASTM D5185m		0	0	0	
Cadmium	ppm	ASTM D5185m		0	0	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		0	2	0	
Barium	ppm	ASTM D5185m		0	0	0	
Molybdenum	ppm	ASTM D5185m		0	<1	0	
Manganese	ppm	ASTM D5185m		<1	<1	0	
Magnesium	ppm	ASTM D5185m		2	0	0	
Calcium	ppm	ASTM D5185m		0	0	0	
Phosphorus	ppm	ASTM D5185m		8	2	1	
Zinc	ppm	ASTM D5185m		0	0	<1	
Sulfur	ppm	ASTM D5185m		0	13	0	
CONTAMINANTS		method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>15	0	6	10	
Sodium	ppm	ASTM D5185m		0	1	1	
Potassium	ppm	ASTM D5185m	>20	0	<1	0	
Water	%	ASTM D6304	>0.01	0.006	△ 0.012	0.002	
ppm Water	ppm	ASTM D6304	>100	60.2	<u>▲</u> 124.0	20	
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2	
Particles >4μm		ASTM D7647	>10000	471	2901		
Particles >6μm		ASTM D7647	>2500	103	350		
Particles >14μm		ASTM D7647	>320	7	12		
Particles >21µm		ASTM D7647	>80	2	6		
Particles >38µm		ASTM D7647	>20	0	0		
Particles >71µm		ASTM D7647	>4	0	0		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	16/14/10	19/16/11		
FLUID DEGRADAT	ΓΙΟΝ	method	limit/base	current	history1	history2	

0.03



## **OIL ANALYSIS REPORT**



To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367

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