

OIL ANALYSIS REPORT

Area UTILITIES 96UX09 PROCESS GLYCOL CHILLER (S/N 10241A19417687)

Refrigeration Compressor

Flui FRICK COMPRESSOR OIL #13 (--- GAL)

Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

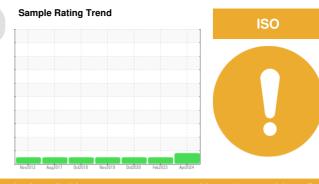
All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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



Sample Number Client Info WC0907795 WC0792605 WC0	nistory2
	502351
	ct 2020
Machine Age hrs Client Info 49153 44679 3427	8
Oil Age hrs Client Info 0 0 0	
Oil Changed Client Info Not Changd N/A	
Sample Status ATTENTION NORMAL NOR	MAL
WEAR METALS method limit/base current history1 I	nistory2
Iron ppm ASTM D5185m >8 0 0 <1	
Chromium ppm ASTM D5185m >2 0 0 0	
Nickel ppm ASTM D5185m 0 0 0	
Titanium ppm ASTM D5185m 0 0 0	
Silver ppm ASTM D5185m >2 0 0 0	
Aluminum ppm ASTM D5185m >3 0 0 0	
Lead ppm ASTM D5185m >2 0 0 0	
Copper ppm ASTM D5185m >8 0 0 0	
Tin ppm ASTM D5185m >4 <1 <1	
Antimony ppm ASTM D5185m 0	
Vanadium ppm ASTM D5185m 0 0 0	
Cadmium ppm ASTM D5185m 0 0 0	
ADDITIVES method limit/base current history1 I	nistory2
Boron ppm ASTM D5185m 0 0 <1	
Barium ppm ASTM D5185m 0 0 0	
Molybdenum ppm ASTM D5185m 0 0 0	
Manganese ppm ASTM D5185m 0 0 0	
Magnesium ppm ASTM D5185m 0 0 0	
Calcium ppm ASTM D5185m 0 0 0	
Phosphorus ppm ASTM D5185m 0 2	
Zinc ppm ASTM D5185m 0 <1 0	
Sulfur ppm ASTM D5185m 0 40 0	
CONTAMINANTS method limit/base current history1 l	nistory2
Silicon ppm ASTM D5185m >15 2 3 5	
Sodium ppm ASTM D5185m 0 <1	
Potassium ppm ASTM D5185m >20 0 0 1	
	007
	.9
FLUID CLEANLINESS method limit/base current history1 I	nistory2
Particles >4μm ASTM D7647 >10000 18485 2173 40	9
Particles >6μm ASTM D7647 >2500 1448 445 50	
Particles >14μm ASTM D7647 >320 16 25 2	
Particles >21μm ASTM D7647 >80 3 8 0	
Particles >38μm ASTM D7647 >20 0 0 0	
Particles >71μm ASTM D7647 >4 0 0 0	
	6/13/9

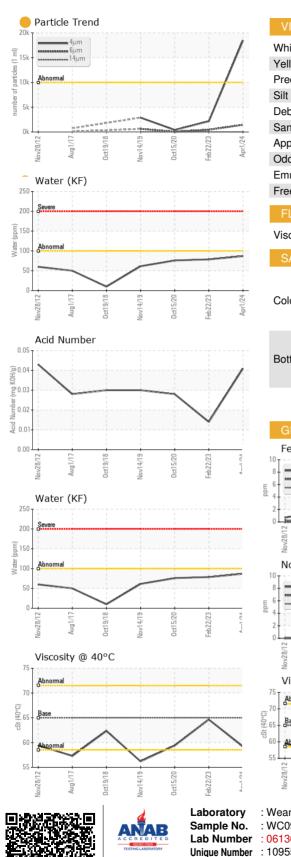
Acid Number (AN) Report Id: TALCLA [WUSCAR] 06136468 (Generated: 04/04/2024 19:53:18) Rev: 1

mg KOH/g ASTM D974

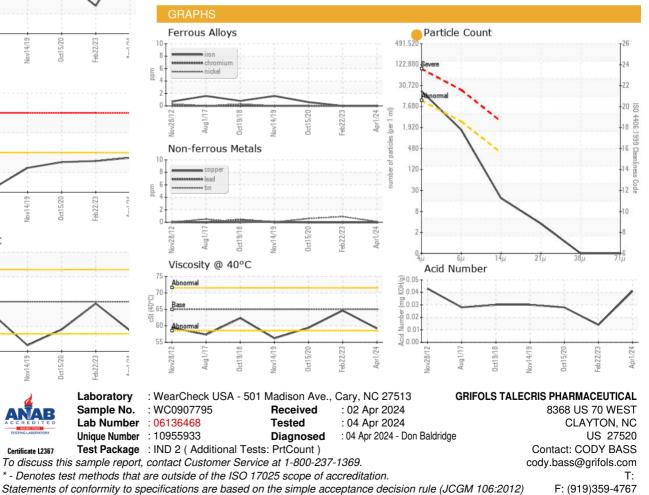
0.041 0.014 0.028 Contact/Location: CODY BASS - TALCLA



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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.01	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	65.0	59.2	64.63	59.4
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						6



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