

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL





T-145 Ch#1 Circ 1 [222806] TRANE U06D07520(1,1) Component Chiller

CALGON C-4s (--- GAL

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

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	-)				Dec2023		
Sample Number Client Info GTT0001267	•	4ATION	mothod			history1	history?
Client Info		MATION		IIIIIIVDase			HISTOLYZ
Machine Age hrs	•						
Dil Age							
Coli Changed Client Info N/A							
NORMAL	•	hrs			•		
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185(m) >8 0 Nickel ppm ASTM D5185(m) 0 Nickel ppm ASTM D5185(m) 0 Titanium ppm ASTM D5185(m) >2 0 Silver ppm ASTM D5185(m) >2 0 Aluminum ppm ASTM D5185(m) >2 0 Lead ppm ASTM D5185(m) >2 0 Copper ppm ASTM D5185(m) >8 0 Tin ppm ASTM D5185(m) 0 Vanadium ppm ASTM D5185(m) 0 Vanadium ppm ASTM D5185(m) 0 Cadmium </td <td>-</td> <td></td> <td>Client Info</td> <td></td> <td></td> <td></td> <td></td>	-		Client Info				
	Sample Status				NORMAL		
Chromium	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185(m)	>8	0		
Description	Chromium	ppm	ASTM D5185(m)	>2	0		
Silver	Nickel	ppm	ASTM D5185(m)		0		
Aluminum	Titanium	ppm	ASTM D5185(m)		0		
Lead	Silver	ppm	ASTM D5185(m)	>2	0		
Copper ppm ASTM D5185(m) >8 0 Tin ppm ASTM D5185(m) >4 0 Antimony ppm ASTM D5185(m) 0 Vanadium ppm ASTM D5185(m) 0 Beryllium ppm ASTM D5185(m) 0 Cadmium ppm ASTM D5185(m) 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) 0 Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 0 Phosphorus ppm ASTM D5185(m) <t< td=""><td>Aluminum</td><td>ppm</td><td>ASTM D5185(m)</td><td>>3</td><td><1</td><td></td><td></td></t<>	Aluminum	ppm	ASTM D5185(m)	>3	<1		
Tin	Lead	ppm	ASTM D5185(m)	>2	0		
Antimony	Copper	ppm	ASTM D5185(m)	>8	0		
Vanadium ppm ASTM D5185(m) 0 Beryllium ppm ASTM D5185(m) 0 Cadmium ppm ASTM D5185(m) 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) 0 Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Manganese ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 0 Calcium ppm ASTM D5185(m) 0 Phosphorus ppm ASTM D5185(m) 0 Zinc ppm ASTM D5185(m) 500 219 Lithium ppm ASTM D5185(m) >15	Tin	ppm	ASTM D5185(m)	>4	0		
Beryllium	Antimony	ppm	ASTM D5185(m)		0		
Cadmium ppm ASTM D5185(m) 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) 0 Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Manganese ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 0 Calcium ppm ASTM D5185(m) 0 Phosphorus ppm ASTM D5185(m) 0 Zinc ppm ASTM D5185(m) <1	Vanadium	ppm	ASTM D5185(m)		0		
ADDITIVES	Beryllium	ppm	ASTM D5185(m)		0		
Boron	Cadmium	ppm	ASTM D5185(m)		0		
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185(m) 0 Manganese ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 0 Calcium ppm ASTM D5185(m) 0 Phosphorus ppm ASTM D5185(m) 0 Zinc ppm ASTM D5185(m) <1	Boron	ppm	ASTM D5185(m)		0		
Manganese ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 0 Calcium ppm ASTM D5185(m) 0 Phosphorus ppm ASTM D5185(m) 0 Zinc ppm ASTM D5185(m) <1	Barium	ppm	ASTM D5185(m)		0		
Magnesium ppm ASTM D5185(m) 0 Calcium ppm ASTM D5185(m) 0 Phosphorus ppm ASTM D5185(m) 0 Zinc ppm ASTM D5185(m) <1	Molybdenum	ppm	ASTM D5185(m)		0		
Calcium ppm ASTM D5185(m) 0 Phosphorus ppm ASTM D5185(m) 0 Zinc ppm ASTM D5185(m) <1	Manganese	ppm	ASTM D5185(m)		0		
Phosphorus ppm ASTM D5185(m) 0 Zinc ppm ASTM D5185(m) <1 Sulfur ppm ASTM D5185(m) 500 219 Lithium ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >15 31 Sodium ppm ASTM D5185(m) 0 Potassium ppm ASTM D5185(m) >20 0 ppm ASTM D6304* >300 6	Magnesium	ppm	ASTM D5185(m)		0		
Phosphorus ppm ASTM D5185(m) 0 Zinc ppm ASTM D5185(m) <1 Sulfur ppm ASTM D5185(m) 500 219 Lithium ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >15 31 Sodium ppm ASTM D5185(m) 0 Potassium ppm ASTM D5185(m) >20 0 ppm Water ppm ASTM D6304* >300 6	Calcium	ppm	ASTM D5185(m)		0		
Zinc ppm ASTM D5185(m) <1 Sulfur ppm ASTM D5185(m) 500 219 Lithium ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >15 31 Sodium ppm ASTM D5185(m) 0 Potassium ppm ASTM D5185(m) >20 0 ppm Water ppm ASTM D6304* >300 6	Phosphorus		ASTM D5185(m)		0		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >15 31 Sodium ppm ASTM D5185(m) 0 Potassium ppm ASTM D5185(m) >20 0 ppm Water ppm ASTM D6304* >300 6	Zinc		ASTM D5185(m)		<1		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >15 31 Sodium ppm ASTM D5185(m) 0 Potassium ppm ASTM D5185(m) >20 0 ppm Water ppm ASTM D6304* >300 6	Sulfur	ppm	ASTM D5185(m)	500	219		
Silicon ppm ASTM D5185(m) >15 31 Sodium ppm ASTM D5185(m) 0 Potassium ppm ASTM D5185(m) >20 0 ppm Water ppm ASTM D6304* >300 6	Lithium	ppm	ASTM D5185(m)		<1		
Sodium ppm ASTM D5185(m) 0 Potassium ppm ASTM D5185(m) >20 0 ppm Water ppm ASTM D6304* >300 6	CONTAMINANTS	;	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185(m) >20 0 ppm Water ppm ASTM D6304* >300 6	Silicon	ppm	ASTM D5185(m)	>15	31		
ppm Water	Sodium	ppm	ASTM D5185(m)		0		
ppm Water ppm ASTM D6304* >300 6	Potassium	ppm	ASTM D5185(m)	>20	0		
FLUID DEGRADATION method limit/base current history1 history2	ppm Water		ASTM D6304*	>300	6		
	FLUID DEGRADA	ATION _	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D974* 0.01

0.03



OIL ANALYSIS REPORT

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
Precipitate	scalar	Visual*	NONE	NONE		
Silt	scalar	Visual*	NONE	NONE		
Debris	scalar	Visual*	NONE	NONE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	65.8	58.9		
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				da problema de la companya del companya de la companya del companya de la company	no image	no image
Bottom					no image	no image
GRAPHS						



 Sample No.
 : GTT0001267
 Recieved
 : 28 Dec 2023

 Lab Number
 : 02605684
 Diagnosed
 : 06 Jan 2024

 Unique Number
 : 5698769
 Diagnostician
 : Bill Quesnel

Unique Number: 5698769Diagnostician: Bill QuesnelCA L4V 1T1Test Package: IND 2 (Additional Tests: KV40)Contact: Service ManagerTo discuss this sample report, contact Customer Service at 1-905-847-9300 Ext 26.accountspayable@dexterra.com

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.

nages, of a commercial nature, resulting from any cause.

Report Id: GTT0000746 [WCAMIS] 02605684 (Generated: 01/08/2024 08:26:17) Rev: 1

Contact/Location: Service Manager - GTT0000746

Dexterra

T:

425-5915 Airport Rd

Mississauga, ON