

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id **TRANE CFCC SCWHARTZ CIRC 2 (S/N U18C00394)** Component **Refrigeration Compressor** Fluid **TRANE 0048 (1 GAL)**

DIAGNOSIS	

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a trace of moisture present in the oil.

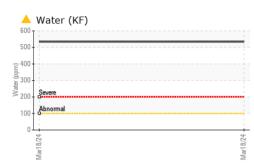
Fluid Condition

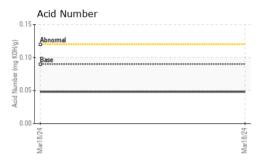
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06211745		
Sample Date		Client Info		18 Mar 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				MARGINAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	9		
Chromium	ppm	ASTM D5185m	>2	0		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>3	0		
Lead	ppm	ASTM D5185m	>2	0		
Copper	ppm	ASTM D5185m	>8	<1		
Tin	ppm	ASTM D5185m	>4	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
ADDITIVES Boron	ppm	method ASTM D5185m	limit/base	current 0	history1	history2
	ppm ppm					
Boron		ASTM D5185m	1	0		
Boron Barium	ppm	ASTM D5185m ASTM D5185m	1 0	0 0		
Boron Barium Molybdenum	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	1 0 0	0 0 0		
Boron Barium Molybdenum Manganese	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	1 0 0 0	0 0 0 <1		
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	1 0 0 0 0	0 0 0 <1 <1		
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	1 0 0 0 0 0	0 0 <1 <1 0	 	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	1 0 0 0 0 0 5	0 0 <1 <1 0 5	 	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	1 0 0 0 0 0 5 0	0 0 <1 <1 0 5 <1		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	1 0 0 0 0 0 5 0 0 10	0 0 <1 <1 0 5 <1 0		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	1 0 0 0 0 0 5 0 10 10 limit/base	0 0 <1 <1 0 5 <1 0 0 current	 history1	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	1 0 0 0 0 0 5 0 10 10 limit/base	0 0 2 3 3 4 1 0 5 5 3 4 1 0 2 5 4 1 0 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	 history1	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	1 0 0 0 0 5 0 10 10 limit/base >15	0 0 2 3 3 4 1 0 5 5 3 3 4 1 0 2 0 2 0 2 0 2 0 2 0 2 0 2 3 3 3 3 3 3	 history1	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	1 0 0 0 0 5 0 10 10 limit/base >15	0 0 2 3 3 4 1 0 5 3 3 4 1 0 0 2 0 2 0 2 0 2 0 2 2 1 0 0 2 2 1 2 3 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3	 history1	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	1 0 0 0 0 5 0 10 10 10 10 215 >20 >0.01	0 0 0 <1 <1 0 5 <1 0 0 <i>current</i> 8 <1 0 0 <i>current</i> 8 <1 0 0	 history1	 history2



OIL ANALYSIS REPORT









VISUAL method limit/base history1 history2 current NONE White Metal *Visual NONE scalar Yellow Metal *Visual NONE NONE scalar Precipitate NONE scalar *Visua NONE Silt scalar *Visual NONE NONE Debris *Visual NONE NONE scalar Sand/Dirt NONE NONE scalar *Visual NORML Appearance scalar *Visual NORML Odor *Visual NORML NORML scalar **Emulsified Water** scalar *Visual >0.01 NEG Free Water scalar *Visual NEG FLUID PROPERTIES method limit/base current history history2 Visc @ 40°C cSt ASTM D445 68 57.1 SAMPLE IMAGES method limit/base history1 history2 current Color no image no imade Bottom no image no image GRAPHS Ferrous Alloys Marl Non-ferrous Metals Mar18/2 Viscosity @ 40°C Acid Number (B) 0.1 80 75 () 70 0+ 65 (Bu 중 60 ٩ 0.05 ال 55 Abno Acid 50 0.00 Mar18/24 -Mar18/24 Mar18/24 : WearCheck USA - 501 Madison Ave., Cary, NC 27513 SCHNEIDER ELECTRIC : WC06211745 Received : 17 Jun 2024 PO DRAWER 185 Lab Number : 06211745 Tested : 18 Jun 2024 MORRISVILLE, NC Unique Number : 11084609 Diagnosed : 20 Jun 2024 - Jonathan Hester US 27560 Test Package : IND 2 Contact: ERICH WEBBER erich.webber@se.com T: (919)274-4145

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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* - 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)

Report Id: APPMOR [WUSCAR] 06211745 (Generated: 06/23/2024 01:52:41) Rev: 1

Certificate 12367

Laboratory

Sample No.

Contact/Location: ERICH WEBBER - APPMOR

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