

### **OIL ANALYSIS REPORT**

#### Sample Rating Trend



# TRANE CONSTITUTION CENTER CH 4

Refrigeration Compressor

REFRIG COMP OIL ISO 46 (--- GAL)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

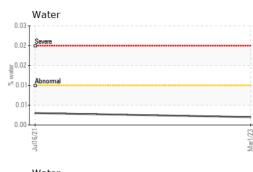
#### Fluid Condition

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

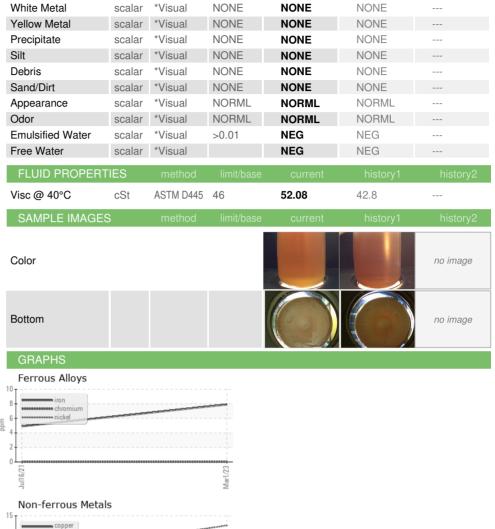
			Jul2UZ1	Mar2023		
SAMPLE INFORM	ΛΑΤΙΟΝ	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0713891	WC0597119	
Sample Date		Client Info		01 Mar 2023	16 Jul 2021	
Machine Age	hrs	Client Info		21739	17970	
Oil Age	hrs	Client Info		17970	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	8	5	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m		0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		<1	0	
Aluminum	ppm	ASTM D5185m	>10	<1	<1	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>50	<1	<1	
Tin	ppm	ASTM D5185m	>10	13	6	
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	<1	
Barium	ppm	ASTM D5185m	5	0	0	
Molybdenum	ppm	ASTM D5185m	5	0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m	5	0	0	
Calcium	ppm	ASTM D5185m	12	0	0	
Phosphorus	ppm	ASTM D5185m	12	3	0	
Zinc	ppm	ASTM D5185m	12	<1	0	
Sulfur	ppm	ASTM D5185m	1000	0	2	
CONTAMINANTS	\$	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	11	8	
Sodium	ppm	ASTM D5185m		0	0	
Potassium	ppm	ASTM D5185m	>20	<1	0	
Water	%	ASTM D6304	>0.01	0.002	0.003	
ppm Water	ppm	ASTM D6304	>100	21.8	29.8	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.10	0.062	0.031	



## **OIL ANALYSIS REPORT**







Mar1/2:

Mar1/23 -

: 06 Mar 2023

: 09 Mar 2023

(B/HO) 0.20

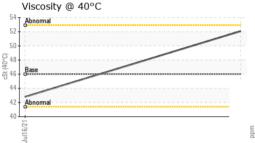
Ë 0.15

흍 0.10 Bas

0.00

A

Acid Nu 0.05 Acid Number



10

55

(3°C) (40°C)

40

Abnorma

Ba . रहे <sub>45</sub>

Abno

: WC0713891

: 05784571

Viscosity @ 40°C



: Jonathan Hester : 10364241 Diagnostician Test Package : IND 2 To discuss this sample report, contact Customer Service at 1-800-237-1369. DBEALE@CDSMECHANICAL.NET \* - 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)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received

Diagnosed

Submitted By: ZACH JENSEN

CDS MECHANICAL SERVICES INC

1654 CROFTON BLVD, SUITE 9

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