



# OIL ANALYSIS REPORT

WEAR  
CONTAMINATION  
FLUID CONDITION

**ABNORMAL**

**SEVERE**

**NORMAL**



Machine Id  
**TRANE U14E09195**  
Component  
**Refrigeration Compressor**  
Fluid  
**{not provided} (--- GAL)**

## RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please note that there was too much water present in the oil to perform a viscosity test.

## WEAR

The iron level is abnormal. The aluminum level is abnormal.

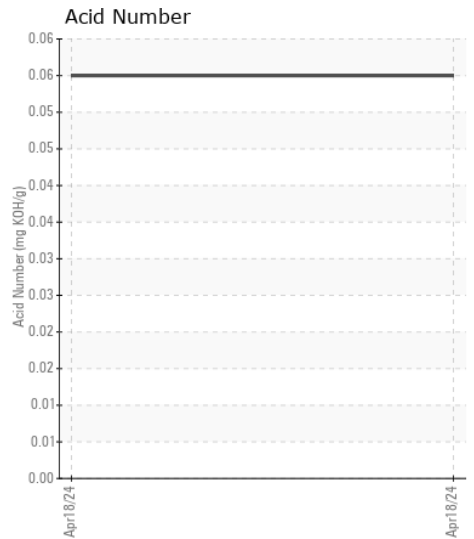
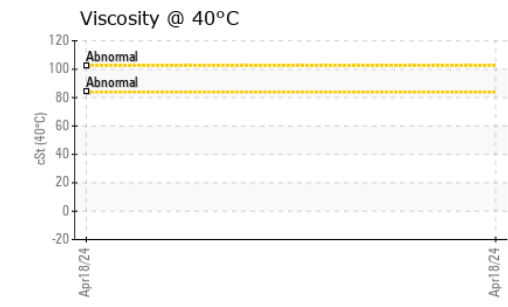
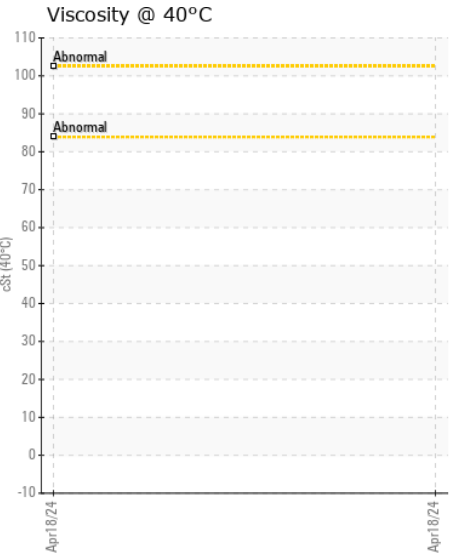
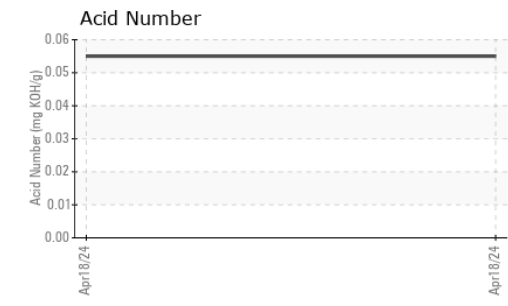
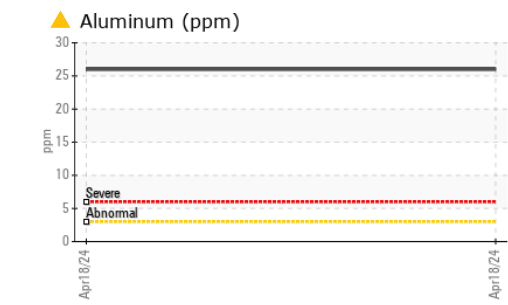
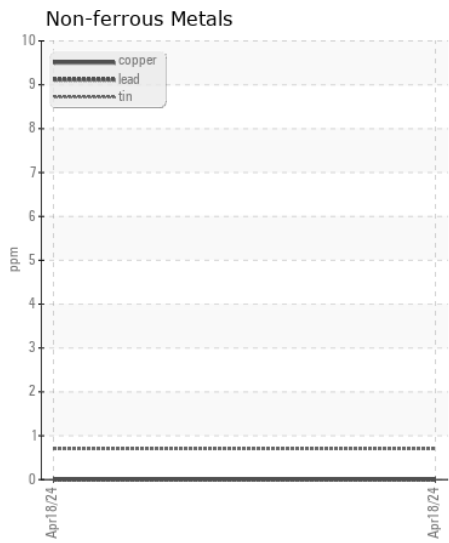
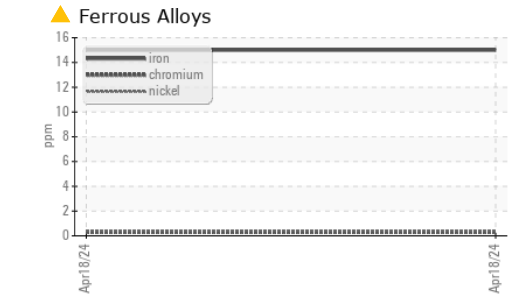
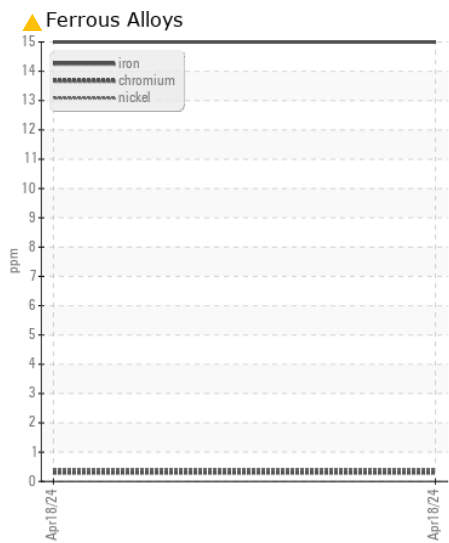
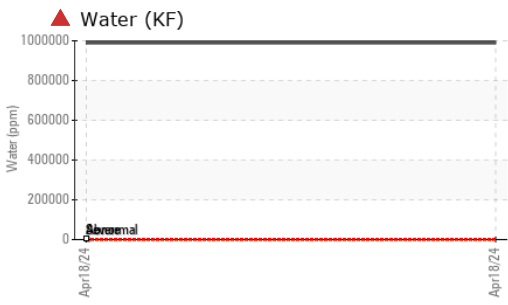
## CONTAMINATION

Sample consists almost entirely of free water. There is a high concentration of water present in the oil.

## FLUID CONDITION

The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0903741</b>	---	---
Sample Date		Client Info		<b>18 Apr 2024</b>	---	---
Machine Age	hrs	Client Info		<b>0</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>SEVERE</b>	---	---
Iron	ppm	ASTM D5185m	>8	<b>▲ 15</b>	---	---
Chromium	ppm	ASTM D5185m	>2	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---	---
Silver	ppm	ASTM D5185m	>2	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>3	<b>▲ 26</b>	---	---
Lead	ppm	ASTM D5185m	>2	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>8	<b>0</b>	---	---
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Silicon	ppm	ASTM D5185m	>15	<b>1</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>14</b>	---	---
Water	%	ASTM D6304	>0.01	<b>▲ 99.0</b>	---	---
ppm Water	ppm	ASTM D6304	>100	<b>▲ 990000</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.01	<b>▲ 0.2%</b>	---	---
Sodium	ppm	ASTM D5185m		<b>107</b>	---	---
Boron	ppm	ASTM D5185m		<b>23</b>	---	---
Barium	ppm	ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>8</b>	---	---
Calcium	ppm	ASTM D5185m		<b>7</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>7</b>	---	---
Zinc	ppm	ASTM D5185m		<b>0</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>0</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D974		<b>0.055</b>	---	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0903741  
**Lab Number** : 06221311  
**Unique Number** : 11099508  
**Test Package** : IND 2  
**Received** : 26 Jun 2024  
**Tested** : 27 Jun 2024  
**Diagnosed** : 28 Jun 2024 - Jonathan Hester

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*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)*