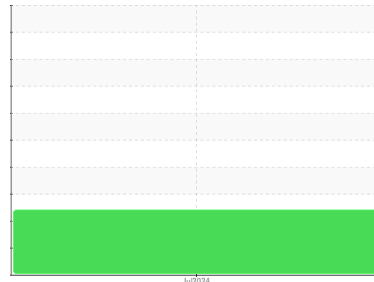




# OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area

**D-100 [293689]**

Machine Id

**QUINCY 20050125-0112 - TERRA CONSULTANT**

Component

**Compressor**

## DIAGNOSIS

### Recommendation

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

### Wear

Bearing and/or bushing wear is indicated.

### 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 acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>UFD0002062</b>	---	---
Sample Date	Client Info		<b>03 Jul 2024</b>	---	---
Machine Age	hrs	Client Info	<b>0</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>ATTENTION</b>	---	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>18</b>	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	---
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---
Silver	ppm	ASTM D5185m		<b>0</b>	---
Aluminum	ppm	ASTM D5185m	>25	<b>3</b>	---
Lead	ppm	ASTM D5185m	>25	<b>53</b>	---
Copper	ppm	ASTM D5185m	>50	<b>55</b>	---
Tin	ppm	ASTM D5185m	>15	<b>41</b>	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	---
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	---
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	---
Calcium	ppm	ASTM D5185m		<b>0</b>	---
Phosphorus	ppm	ASTM D5185m		<b>29</b>	---
Zinc	ppm	ASTM D5185m		<b>5</b>	---
Sulfur	ppm	ASTM D5185m		<b>2512</b>	---

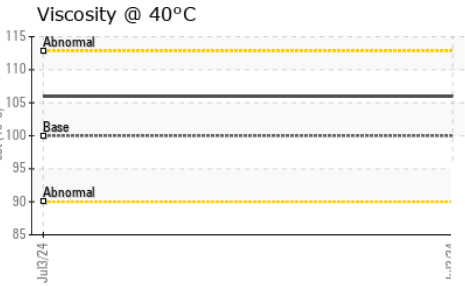
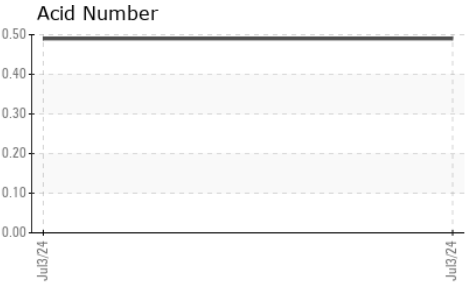
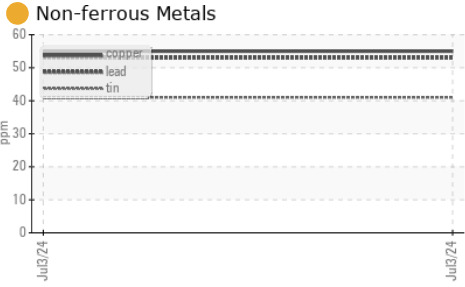
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>2</b>	---
Sodium	ppm	ASTM D5185m		<b>0</b>	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.49</b>	---

# OIL ANALYSIS REPORT



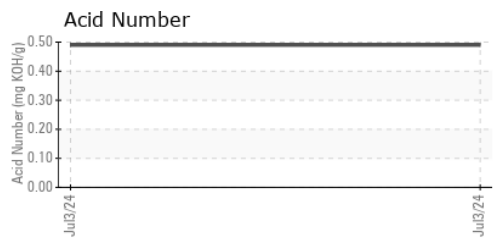
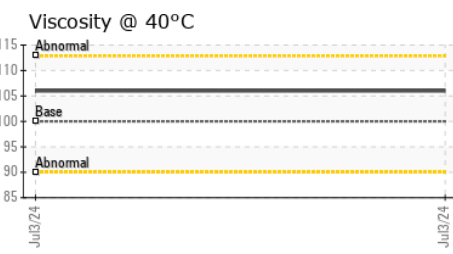
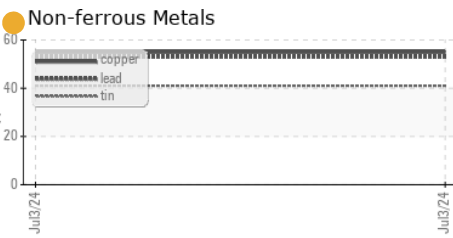
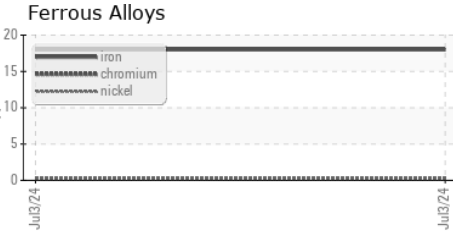
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	100	106	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------

Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UFD0002062      **Received** : 17 Jul 2024  
**Lab Number** : 06239266      **Tested** : 18 Jul 2024  
**Unique Number** : 11128100      **Diagnosed** : 19 Jul 2024 - Don Baldrige  
**Test Package** : IND 2

**FLUID-AIRE DYNAMICS**  
 225 SPRING LAKE DR  
 ITASCA, IL  
 US 60143  
 Contact: ED DIENER  
 ed.diener@fluidairedynamics.com  
 T: (847)678-8388  
 F:

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)