

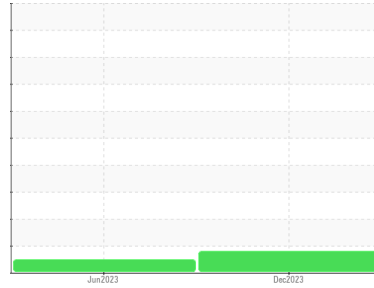
# OIL ANALYSIS REPORT

Sample Rating Trend

**WEAR**



Area  
**AC3**  
Machine Id  
**QUINCY UTY105070 - FARGO VA**  
Component  
**Compressor**



**DIAGNOSIS**

**Recommendation**  
Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

**Wear**  
The lead level is abnormal. All other 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.

**SAMPLE INFORMATION** method limit/base current history1 history2

Sample Number	Client Info	<b>UCS06056809</b>	UCS05887926	---
Sample Date	Client Info	<b>27 Dec 2023</b>	23 Jun 2023	---
Machine Age	mths	Client Info	<b>0</b>	0
Oil Age	mths	Client Info	<b>12</b>	0
Oil Changed	Client Info	<b>Changed</b>	Changed	---
Sample Status		<b>ATTENTION</b>	NORMAL	---

**CONTAMINATION** method limit/base current history1 history2

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

Iron	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m		<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	<1	---
Lead	ppm	ASTM D5185m	>25	<b>▲ 77</b>	29	---
Copper	ppm	ASTM D5185m	>50	<b>4</b>	2	---
Tin	ppm	ASTM D5185m	>15	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

**ADDITIVES** method limit/base current history1 history2

Boron	ppm	ASTM D5185m		<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>0</b>	14	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>0</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>0</b>	12	---
Calcium	ppm	ASTM D5185m		<b>99</b>	94	---
Phosphorus	ppm	ASTM D5185m		<b>1670</b>	1513	---
Zinc	ppm	ASTM D5185m		<b>1868</b>	1731	---
Sulfur	ppm	ASTM D5185m		<b>4077</b>	4515	---

**CONTAMINANTS** method limit/base current history1 history2

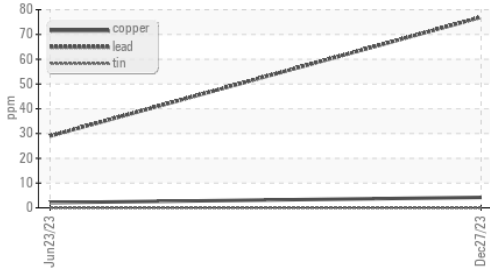
Silicon	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1	---
Sodium	ppm	ASTM D5185m		<b>0</b>	0	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	---

**FLUID DEGRADATION** method limit/base current history1 history2

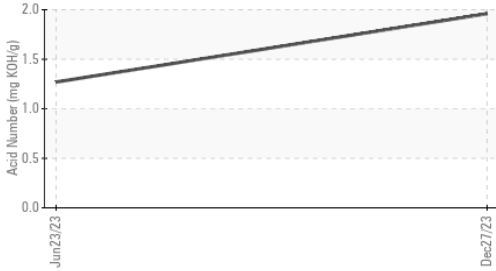
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>1.96</b>	1.27	---
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# OIL ANALYSIS REPORT

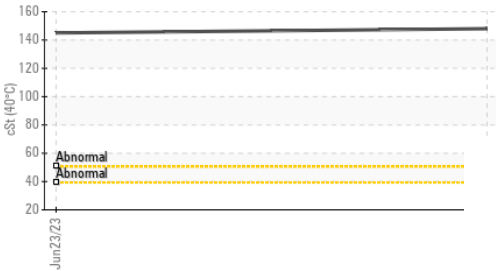
**▲ Non-ferrous Metals**



**Acid Number**



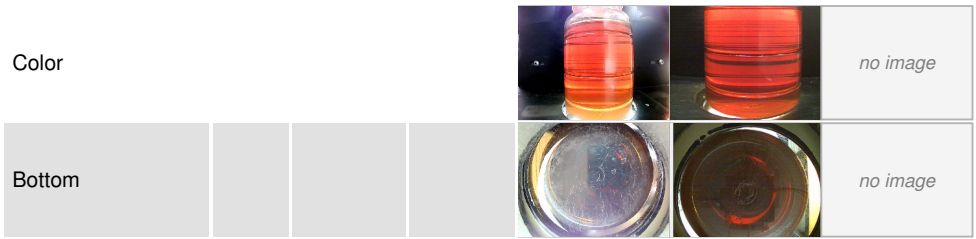
**Viscosity @ 40°C**



PARAMETER	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	<b>148</b>	145	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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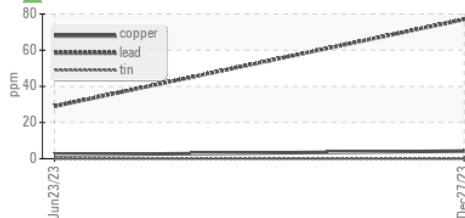


**GRAPHS**

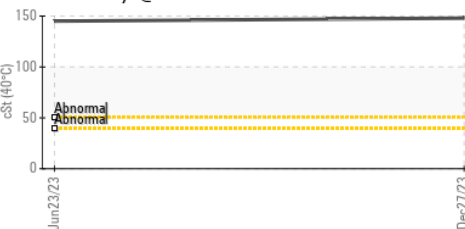
**Ferrous Alloys**



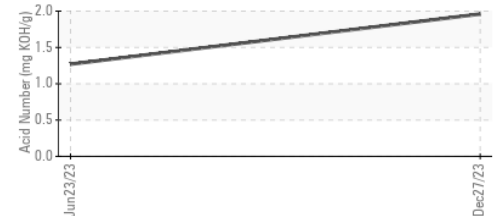
**▲ Non-ferrous Metals**



**Viscosity @ 40°C**



**Acid Number**



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCS06056809 **Recieved** : 10 Jan 2024  
**Lab Number** : **06056809** **Diagnosed** : 11 Jan 2024  
**Unique Number** : 10822758 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**JEMCO-MAXAIR**

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 US 58078  
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 T: (701)281-0362  
 F: x:

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)