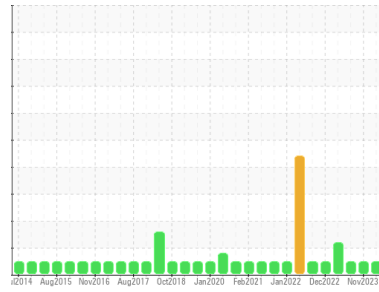




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**C-4 (S/N TDSL283L0220HH)**  
 Component  
**Refrigeration Compressor**  
 Fluid  
**USPI ALT-68 SC (--- 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. The amount and size of particulates present in the system are acceptable.

### 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>USP0013407</b>	USP0003528	USP0000597
Sample Date	Client Info	<b>11 Jun 2024</b>	23 Nov 2023	16 Aug 2023
Machine Age	hrs Client Info	<b>0</b>	0	0
Oil Age	hrs Client Info	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>8	<b>0</b>	0	0
Chromium ppm ASTM D5185m	>2	<b>0</b>	<1	0
Nickel ppm ASTM D5185m		<b>0</b>	<1	0
Titanium ppm ASTM D5185m		<b>0</b>	<1	<1
Silver ppm ASTM D5185m	>2	<b>0</b>	0	0
Aluminum ppm ASTM D5185m	>3	<b>0</b>	0	<1
Lead ppm ASTM D5185m	>2	<b>0</b>	0	0
Copper ppm ASTM D5185m	>8	<b>0</b>	<1	0
Tin ppm ASTM D5185m	>4	<b>0</b>	0	0
Vanadium ppm ASTM D5185m		<b>&lt;1</b>	0	<1
Cadmium ppm ASTM D5185m		<b>0</b>	<1	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		<b>0</b>	0	0
Barium ppm ASTM D5185m		<b>0</b>	0	0
Molybdenum ppm ASTM D5185m		<b>0</b>	<1	0
Manganese ppm ASTM D5185m		<b>0</b>	0	<1
Magnesium ppm ASTM D5185m		<b>&lt;1</b>	0	1
Calcium ppm ASTM D5185m		<b>0</b>	<1	0
Phosphorus ppm ASTM D5185m		<b>&lt;1</b>	0	<1
Zinc ppm ASTM D5185m		<b>0</b>	0	0
Sulfur ppm ASTM D5185m	50	<b>0</b>	0	0

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>15	<b>&lt;1</b>	<1	<1
Sodium ppm ASTM D5185m		<b>&lt;1</b>	0	<1
Potassium ppm ASTM D5185m	>20	<b>&lt;1</b>	<1	2
Water % ASTM D6304	>0.01	<b>0.005</b>	0.005	0.008
ppm Water ppm ASTM D6304	>100	<b>54</b>	51	88.2

## FLUID CLEANLINESS

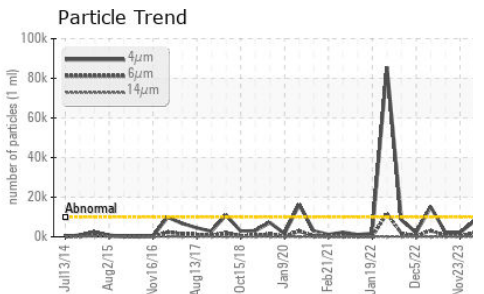
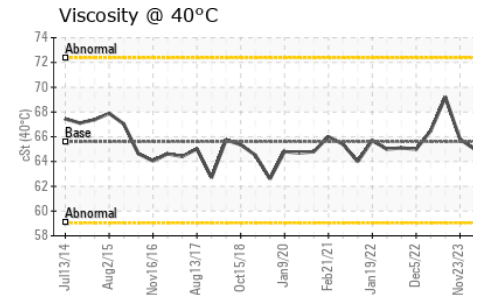
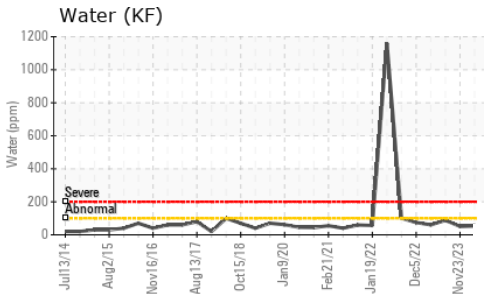
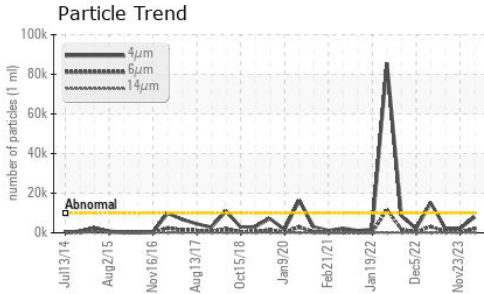
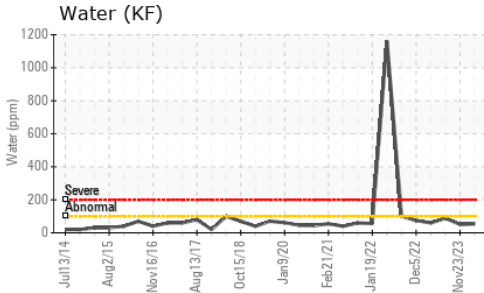
method	limit/base	current	history1	history2
Particles >4µm ASTM D7647	>10000	<b>8005</b>	2093	2215
Particles >6µm ASTM D7647	>2500	<b>2084</b>	363	608
Particles >14µm ASTM D7647	>320	<b>38</b>	13	29
Particles >21µm ASTM D7647	>80	<b>5</b>	3	7
Particles >38µm ASTM D7647	>20	<b>0</b>	0	0
Particles >71µm ASTM D7647	>4	<b>0</b>	0	0
Oil Cleanliness ISO 4406 (c)	>20/18/15	<b>20/18/12</b>	18/16/11	18/16/12

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D974	0.005	<b>0.014</b>	0.014	0.014



# OIL ANALYSIS REPORT



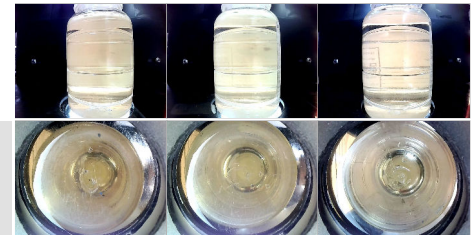
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.01	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	65.6	65.0	65.8

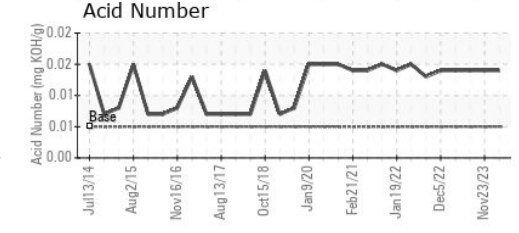
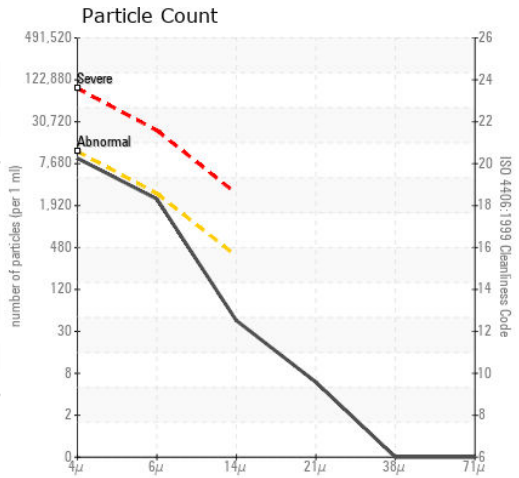
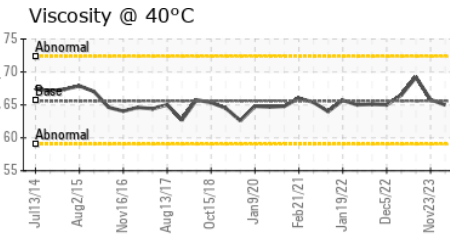
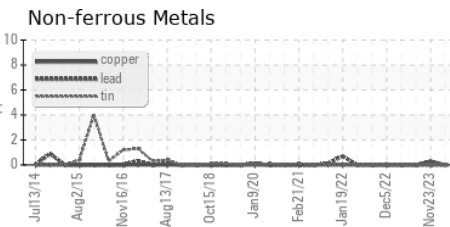
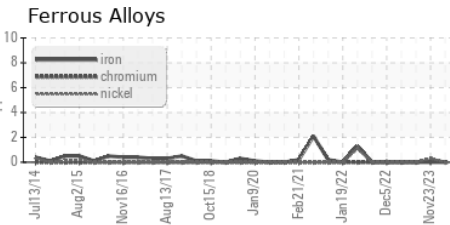
SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------

Color

Bottom



## GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : USP0013407  
 Lab Number : 06207912  
 Unique Number : 11075373  
 Test Package : IND 2

Received : 12 Jun 2024  
 Tested : 14 Jun 2024  
 Diagnosed : 15 Jun 2024 - Doug Bogart

CONAGRA - LOUISVILLE  
 12730H WESTPORT RD  
 LOUISVILLE, KY  
 US 40245  
 Contact: SCOTT CASTILLO

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)

T:  
F: