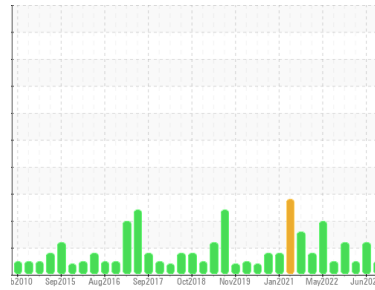




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**FRICK H-2 (S/N F0255YFMCTIGA03)**

Component  
**Refrigeration Compressor**

Fluid  
**FRICK COMPRESSOR OIL #3 (125 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 component. The amount and size of particulates present in the system is 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>USP0001785</b>	USP243680	USP246446
Sample Date	Client Info	<b>28 Sep 2023</b>	07 Jun 2023	28 Feb 2023
Machine Age	hrs	Client Info	<b>0</b>	0
Oil Age	hrs	Client Info	<b>0</b>	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	ATTENTION	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >8	<b>0</b>	0
Chromium	ppm	ASTM D5185m >2	<b>0</b>	0
Nickel	ppm	ASTM D5185m	<b>0</b>	0
Titanium	ppm	ASTM D5185m	<b>0</b>	0
Silver	ppm	ASTM D5185m >2	<b>0</b>	0
Aluminum	ppm	ASTM D5185m >3	<b>1</b>	<1
Lead	ppm	ASTM D5185m >2	<b>0</b>	0
Copper	ppm	ASTM D5185m >8	<b>0</b>	<1
Tin	ppm	ASTM D5185m >4	<b>0</b>	0
Vanadium	ppm	ASTM D5185m	<b>0</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>	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1
Magnesium	ppm	ASTM D5185m	<b>0</b>	0
Calcium	ppm	ASTM D5185m	<b>0</b>	0
Phosphorus	ppm	ASTM D5185m	<b>0</b>	0
Zinc	ppm	ASTM D5185m	<b>0</b>	0
Sulfur	ppm	ASTM D5185m	<b>13</b>	10

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<b>&lt;1</b>	<1
Sodium	ppm	ASTM D5185m	<b>&lt;1</b>	<1
Potassium	ppm	ASTM D5185m >20	<b>1</b>	0
Water	%	ASTM D6304 >0.01	<b>0.001</b>	0.001
ppm Water	ppm	ASTM D6304 >100	<b>14.4</b>	8.6

## FLUID CLEANLINESS

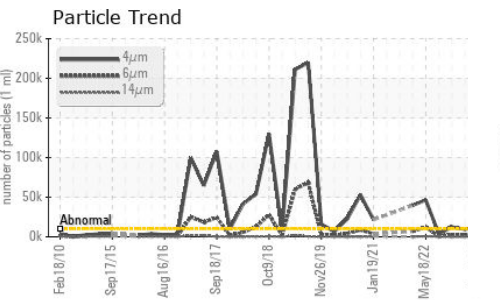
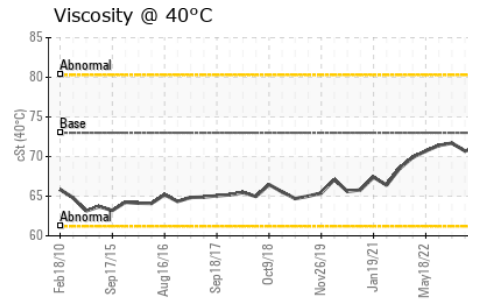
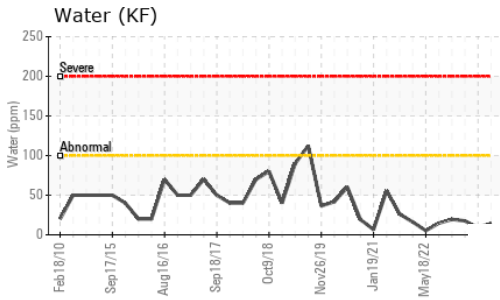
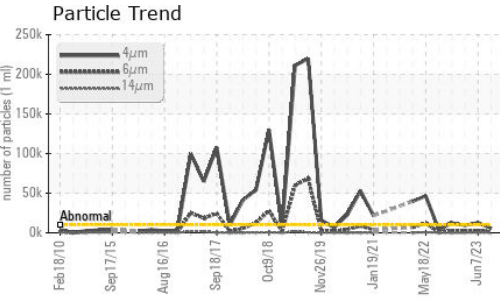
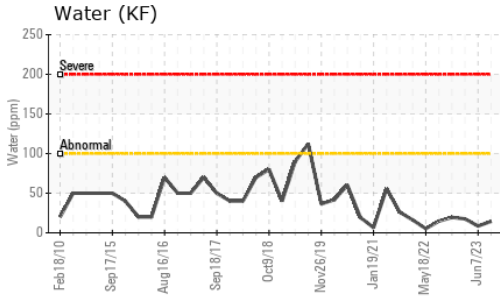
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	<b>5732</b>	▲ 12735	9484
Particles >6µm	ASTM D7647 >2500	<b>951</b>	▲ 2895	2175
Particles >14µm	ASTM D7647 >320	<b>25</b>	90	57
Particles >21µm	ASTM D7647 >80	<b>6</b>	13	10
Particles >38µm	ASTM D7647 >20	<b>2</b>	0	0
Particles >71µm	ASTM D7647 >4	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c) >20/18/15	<b>20/17/12</b>	▲ 21/19/14	20/18/13

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	<b>0.013</b>	0.023



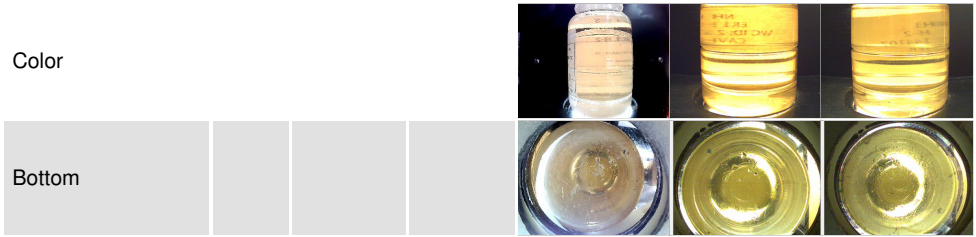
# OIL ANALYSIS REPORT



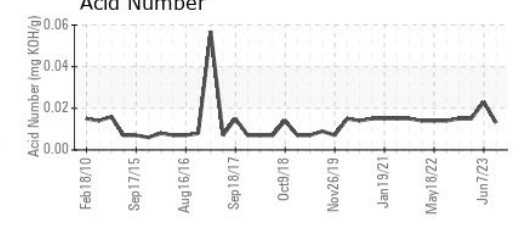
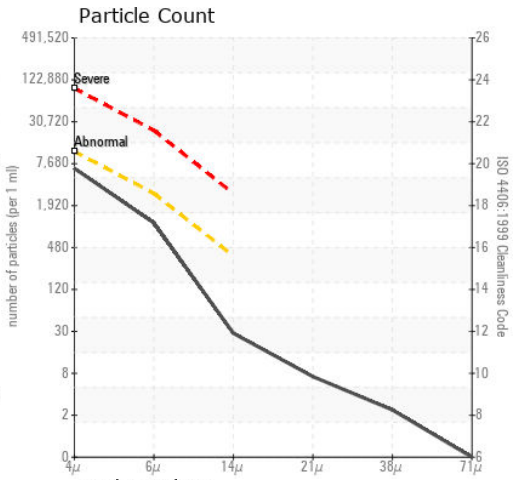
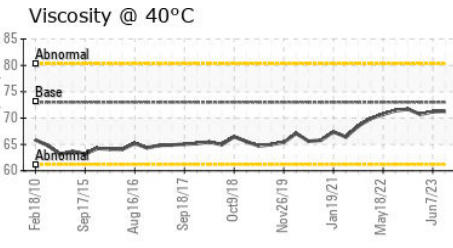
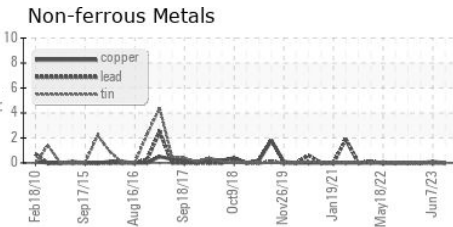
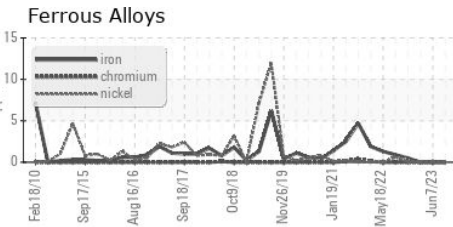
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</b>	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 73	<b>71.3</b>	71.2	70.7

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : USP0001785 **Received** : 29 Sep 2023  
**Lab Number** : 05965437 **Diagnosed** : 02 Oct 2023  
**Unique Number** : 10671988 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2

**CAVINNESS BEEF PACKERS LTD**  
 PO BOX 790  
 HEREFORD, TX  
 US 79045  
 Contact: HARRY RADLOFF

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)

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