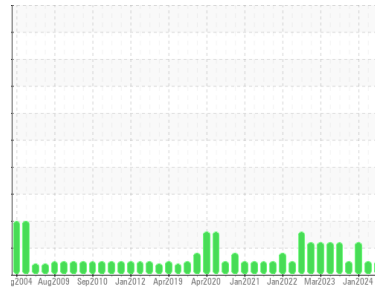




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**FRICK LOPOKL/FES RC2 EAST COMPRESSOR RM. (S/N F0067VFMNTHGA03)**  
 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>USP0013077</b>	USP0005951	USP0004670
Sample Date	Client Info	<b>23 Jun 2024</b>	13 Mar 2024	04 Jan 2024
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>	NORMAL	ATTENTION

## 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>	<1
Nickel	ppm	ASTM D5185m	<b>0</b>	0
Titanium	ppm	ASTM D5185m	<b>0</b>	<1
Silver	ppm	ASTM D5185m >2	<b>0</b>	<1
Aluminum	ppm	ASTM D5185m >3	<b>0</b>	0
Lead	ppm	ASTM D5185m >2	<b>0</b>	1
Copper	ppm	ASTM D5185m >8	<b>0</b>	0
Tin	ppm	ASTM D5185m >4	<b>0</b>	<1
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1
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>0</b>	<1
Magnesium	ppm	ASTM D5185m	<b>0</b>	0
Calcium	ppm	ASTM D5185m	<b>0</b>	<1
Phosphorus	ppm	ASTM D5185m	<b>0</b>	0
Zinc	ppm	ASTM D5185m	<b>0</b>	0
Sulfur	ppm	ASTM D5185m 50	<b>0</b>	0

## 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>0</b>	2
Water	%	ASTM D6304 >0.01	<b>0.001</b>	0.001
ppm Water	ppm	ASTM D6304 >100	<b>9</b>	9

## FLUID CLEANLINESS

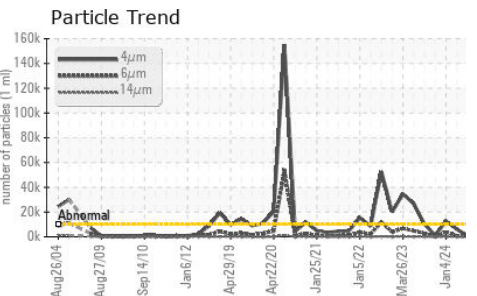
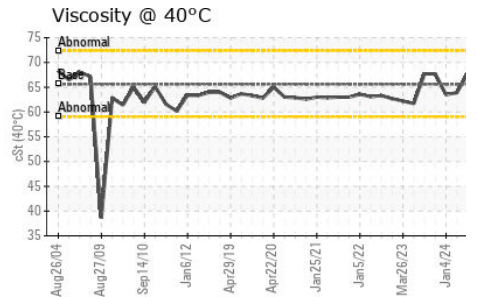
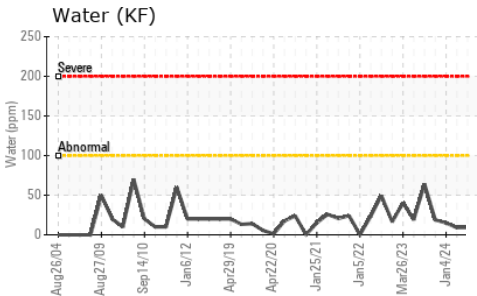
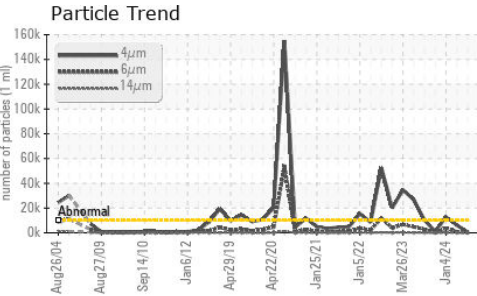
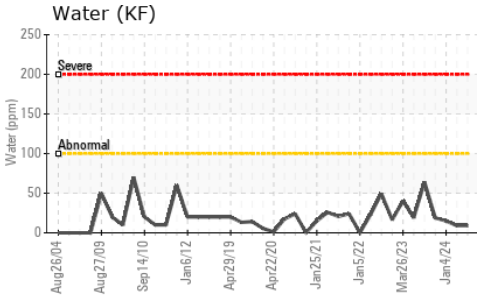
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	<b>474</b>	6187	12753
Particles >6µm	ASTM D7647 >2500	<b>94</b>	862	3735
Particles >14µm	ASTM D7647 >320	<b>4</b>	15	97
Particles >21µm	ASTM D7647 >80	<b>0</b>	2	12
Particles >38µm	ASTM D7647 >20	<b>0</b>	0	0
Particles >71µm	ASTM D7647 >4	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c) >20/18/15	<b>16/14/9</b>	20/17/11	21/19/14

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974 0.005	<b>0.014</b>	0.015



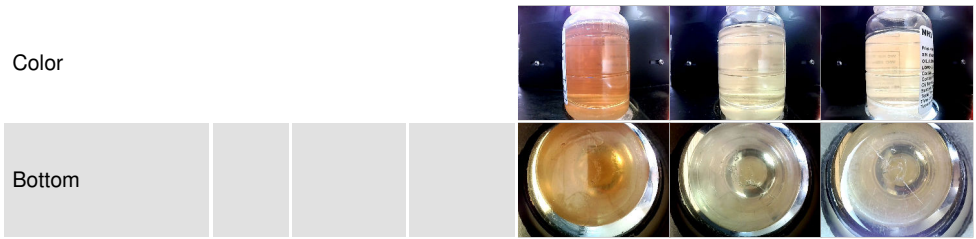
# OIL ANALYSIS REPORT



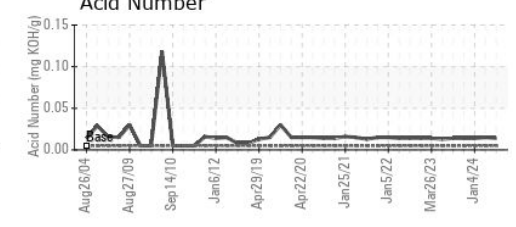
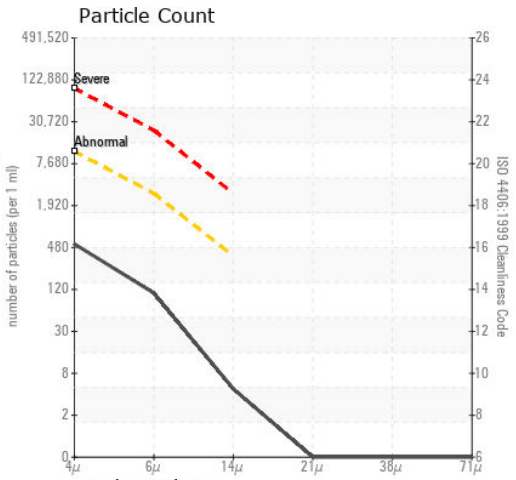
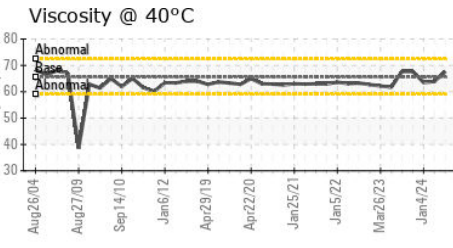
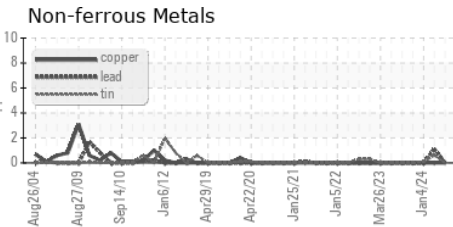
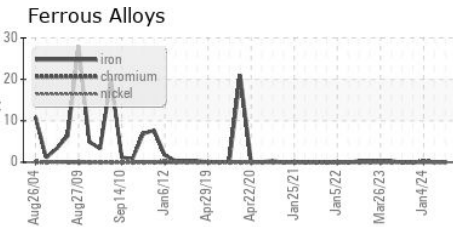
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	67.6	63.9

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : USP0013077  
**Lab Number** : 06218268  
**Unique Number** : 11096465  
**Test Package** : IND 2

**Received** : 24 Jun 2024  
**Tested** : 25 Jun 2024  
**Diagnosed** : 25 Jun 2024 - Doug Bogart

**LOPEZ FOODS-OKLAHOMA CITY**  
 OKLAHOMA CITY, OK  
 US 73127  
 Contact: John Myers

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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 F: (405)499-0128