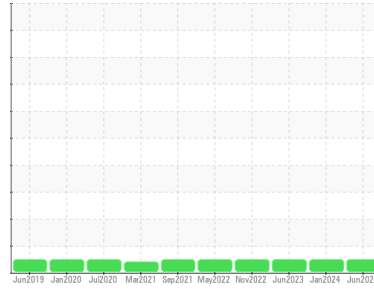




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**FRICK LSC3**  
 Component  
**Refrigeration Compressor**  
 Fluid  
**CAMCO 717 HT (--- 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

Sample Number	Client Info	method	limit/base	current	history1	history2
USP0013224	USP0005189			USP248407		
Sample Date	Client Info			<b>13 Jun 2024</b>	07 Jan 2024	05 Jun 2023
Machine Age	Client Info	hrs		<b>67283</b>	0	0
Oil Age	Client Info	hrs		<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

Element	unit	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	<b>3</b>	5	5
Chromium	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>3	<b>2</b>	0	0
Lead	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m	>8	<b>&lt;1</b>	<1	0
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1

### ADDITIVES

Element	unit	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>&lt;1</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Calcium	ppm	ASTM D5185m		<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185m		<b>0</b>	0	0
Zinc	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Sulfur	ppm	ASTM D5185m		<b>0</b>	0	14

### CONTAMINANTS

Element	unit	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	0
Sodium	ppm	ASTM D5185m		<b>0</b>	0	<1
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	0
Water	%	ASTM D6304	>0.01	<b>0.00</b>	0.005	0.003
ppm Water	ppm	ASTM D6304	>100	<b>0</b>	60	35.0

### FLUID CLEANLINESS

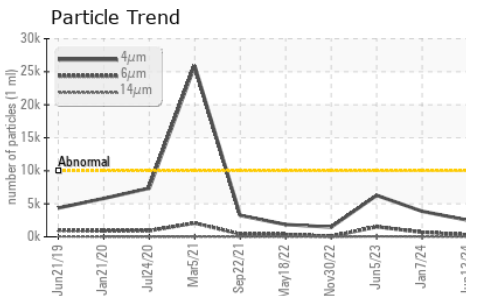
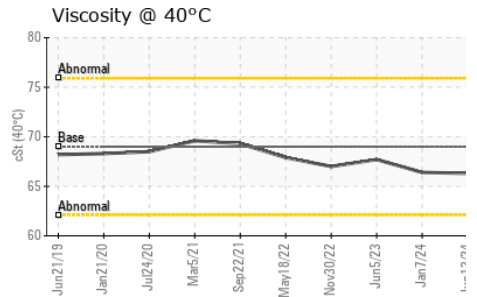
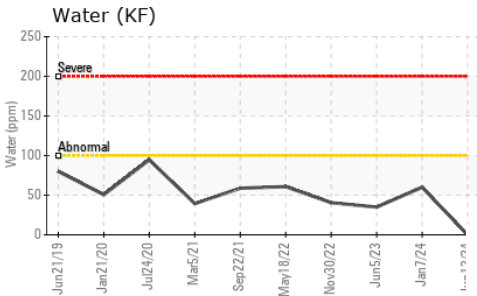
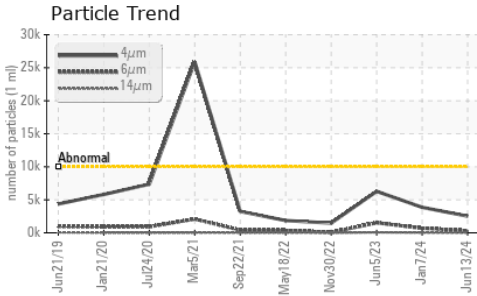
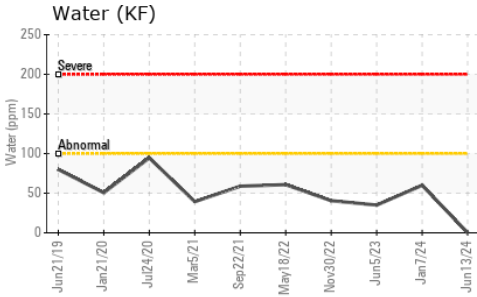
Parameter	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	<b>2519</b>	3861	6278
Particles >6µm	ASTM D7647	>2500	<b>310</b>	686	1532
Particles >14µm	ASTM D7647	>320	<b>10</b>	32	72
Particles >21µm	ASTM D7647	>80	<b>0</b>	6	12
Particles >38µm	ASTM D7647	>20	<b>0</b>	1	0
Particles >71µm	ASTM D7647	>4	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c)	>20/18/15	<b>19/15/10</b>	19/17/12	20/18/13

### FLUID DEGRADATION

Parameter	unit	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.007	<b>0.014</b>	0.014	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	LIGHT
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 69	66.3	66.4	67.7

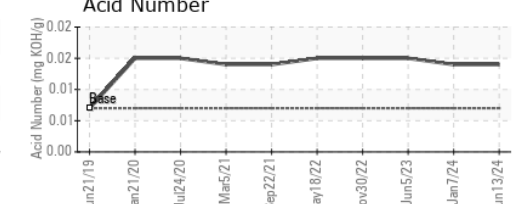
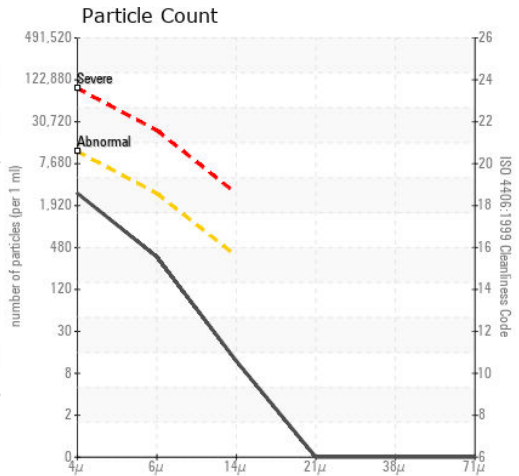
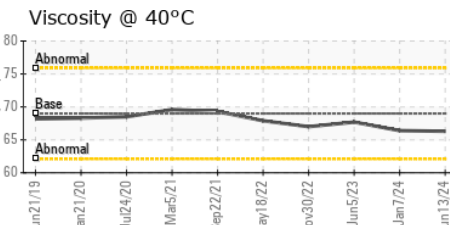
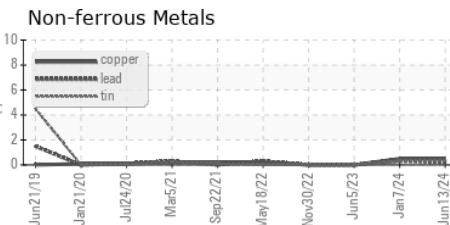
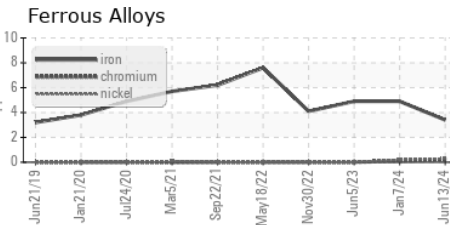
SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color

Bottom



## GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : USP0013224

Lab Number : 06213518

Unique Number : 11086382

Test Package : IND 2

Received : 18 Jun 2024

Tested : 19 Jun 2024

Diagnosed : 21 Jun 2024 - Jonathan Hester

CENTRAL STORAGE & WAREHOUSE CO

4309 COTTAGE GROVE RD

MADISON, WI

US 53716

Contact: Service Manager

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: