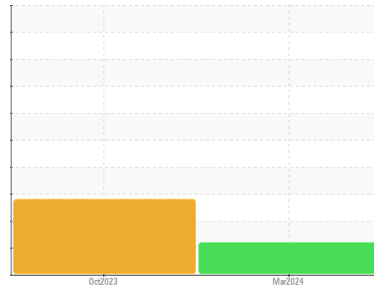




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
RC-5 (S/N 0575)

Component
Refrigeration Compressor

Fluid
FRICK COMPRESSOR OIL #11 (--- GAL)

DIAGNOSIS

▲ Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

▲ Contamination

There is a high amount of silt (particulates < 14 microns in size) present 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			USP0006075	USP0003002	---
Sample Date	Client Info			17 Mar 2024	16 Oct 2023	---
Machine Age	hrs	Client Info		0	0	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed	Client Info			N/A	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---

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

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		0	0	---
Magnesium	ppm	ASTM D5185m		0	0	---
Calcium	ppm	ASTM D5185m		0	0	---
Phosphorus	ppm	ASTM D5185m		0	0	---
Zinc	ppm	ASTM D5185m		4	2	---
Sulfur	ppm	ASTM D5185m		0	0	---

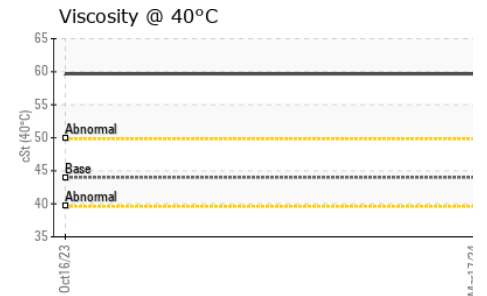
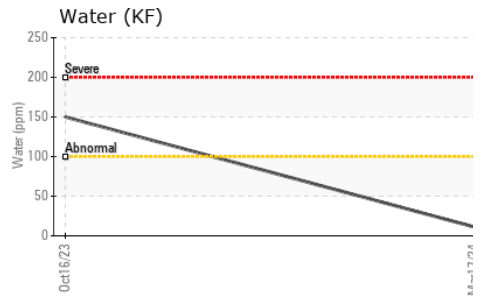
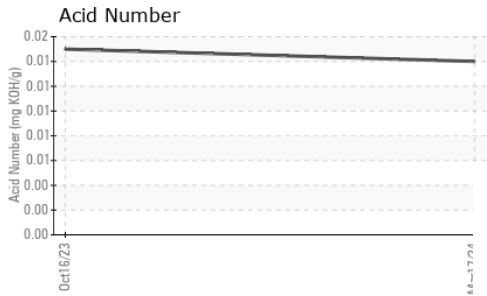
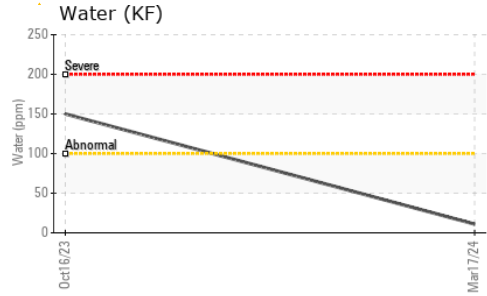
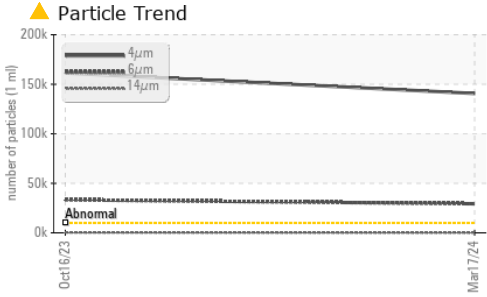
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	1	---
Sodium	ppm	ASTM D5185m		0	0	---
Potassium	ppm	ASTM D5185m	>20	0	1	---
Water	%	ASTM D6304	>0.01	0.001	0.015	---
ppm Water	ppm	ASTM D6304	>100	11	150	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	▲ 140664	▲ 161325	---
Particles >6µm		ASTM D7647	>2500	▲ 29319	▲ 33308	---
Particles >14µm		ASTM D7647	>320	178	301	---
Particles >21µm		ASTM D7647	>80	17	31	---
Particles >38µm		ASTM D7647	>20	0	1	---
Particles >71µm		ASTM D7647	>4	0	0	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 24/22/15	▲ 25/22/15	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974		0.014	0.015	---



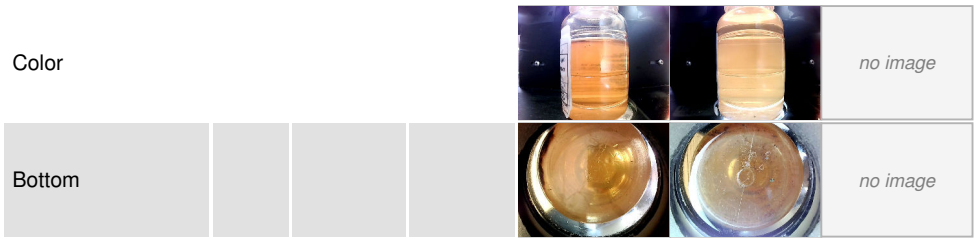
OIL ANALYSIS REPORT



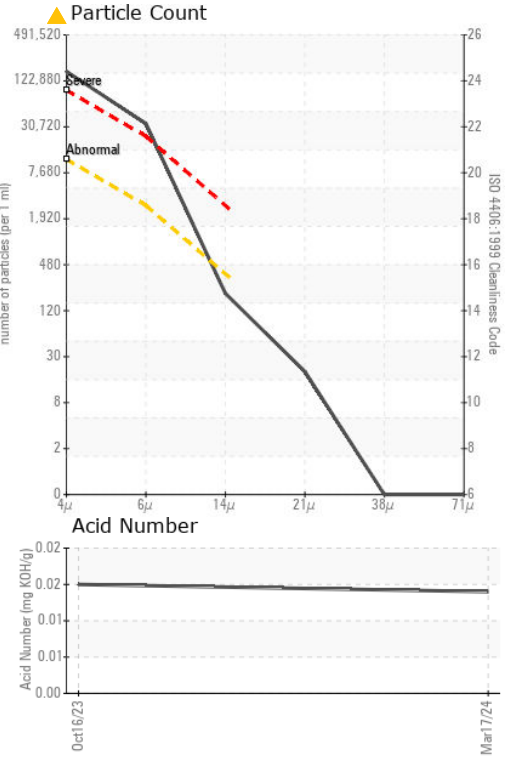
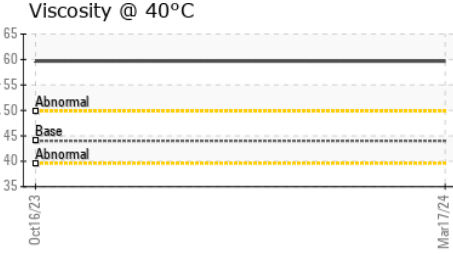
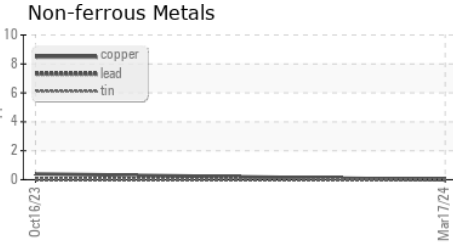
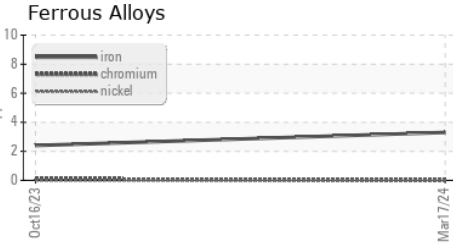
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	
Yellow Metal	scalar	*Visual	NONE	NONE	---	
Precipitate	scalar	*Visual	NONE	NONE	---	
Silt	scalar	*Visual	NONE	LIGHT	---	
Debris	scalar	*Visual	NONE	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	
Appearance	scalar	*Visual	NORML	NORML	---	
Odor	scalar	*Visual	NORML	NORML	---	
Emulsified Water	scalar	*Visual	>0.01	NEG	0.2%	---
Free Water	scalar	*Visual		NEG	▲ 1.0	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	44.0	59.69	59.7	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP0006075 **Received** : 18 Mar 2024
Lab Number : 06121628 **Tested** : 21 Mar 2024
Unique Number : 10930461 **Diagnosed** : 21 Mar 2024 - Doug Bogart
Test Package : IND 2

TYSON KEYSTONE - GADSDEN
 2281 STEELE STATION RD
 RAINBOW CITY, AL
 US 35906
 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)