

# **OIL ANALYSIS REPORT**

### Sample Rating Trend



# **BO 106 (S/N S0001JFETHAA3)**

**Refrigeration Compressor** 

FRICK COMPRESSOR OIL #3 (--- GAL)

### Recommendation

Resample at the next service interval to monitor.

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.

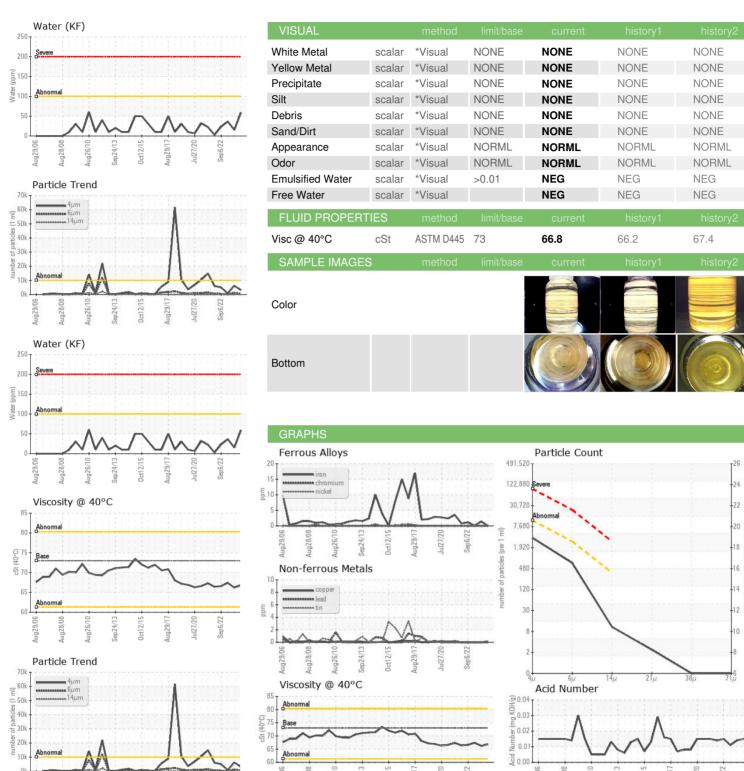
### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

g2006 Aug8000 Aug8010 Seg2013 Out8016 Aug8017 Ju2020 Seg2022						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0903046	WC0847570	WC0789731
Sample Date		Client Info		01 Feb 2024	19 Aug 2023	25 Feb 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	0	1	<1
Chromium	ppm	ASTM D5185m	>2	0	0	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>3	<1	0	0
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	<1	0	0
Tin	ppm	ASTM D5185m	>4	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		<1	2	4
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		<1	<1	0
Calcium	ppm	ASTM D5185m		<1	0	0
Phosphorus	ppm	ASTM D5185m		0	<1	0
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		63	49	45
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	0	<1
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>0.01	0.005	0.002	0.003
ppm Water	ppm	ASTM D6304	>100	59	15.3	36.4
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	3186	6236	900
Particles >6µm		ASTM D7647	>2500	608	1261	182
Particles >14µm		ASTM D7647	>320	9	43	2
Particles >21µm		ASTM D7647	>80	2	8	0
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	19/16/10	20/17/13	17/15/9
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974		0.015	0.014	0.011



## **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0903046

: 06098492 **Unique Number** : 10896722

Test Package : IND 2 ( Additional Tests: PrtCount )

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Received : 23 Feb 2024 **Tested** : 26 Feb 2024 Diagnosed

: 26 Feb 2024 - Don Baldridge

US 73089 Contact: SCOTTY SCOTT sscott@braums.com;maintenanceoffice@braums.com

**BRAUM'S ICE CREAM PLANT** 

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.

T: (405)381-4427 F: (405)381-2051

PO BOX 725

TUTTLE, OK

Contact/Location: SCOTTY SCOTT - BRATUTOK