

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

FRICK TYSHOUP RC-4 (S/N XJF120L0194FF)

Refrigeration Compressor

USPI ALT-68 SC (15 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 component. The amount and size of particulates present in the system is acceptable.

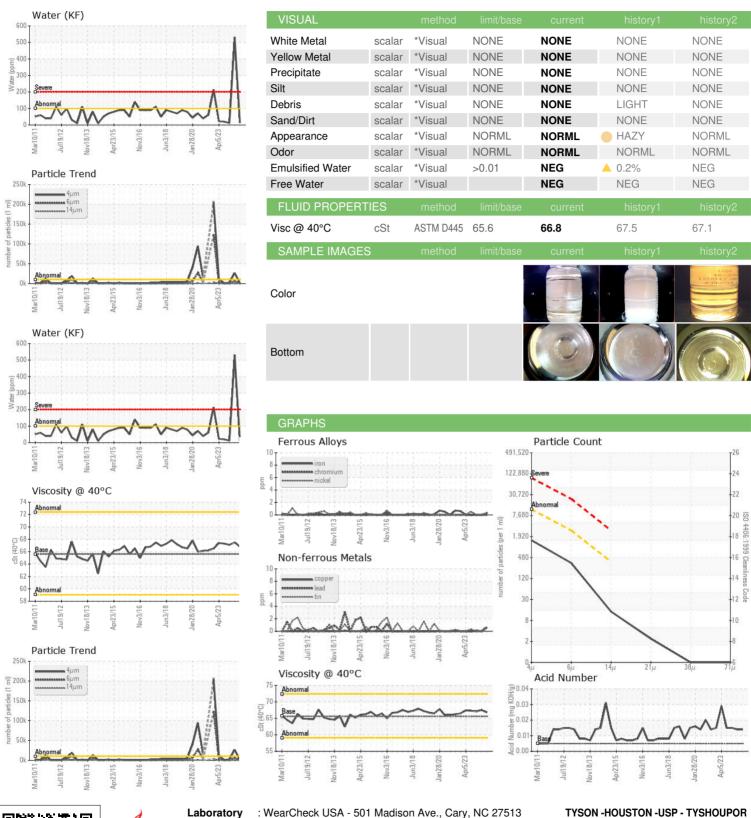
Fluid Condition

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

w2311 Jul2012 New2013 Apr2016 Jun2016 Jun2018 Jun2020 Rev2023						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0013135	USP0003095	USP249907
Sample Date		Client Info		20 Jun 2024	02 Nov 2023	12 Jul 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	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	0	0	0
Chromium	ppm	ASTM D5185m	>2	<1	0	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>3	0	0	<1
Lead	ppm	ASTM D5185m	>2	<1	0	<1
Copper	ppm	ASTM D5185m	>8	<1	0	0
Tin	ppm	ASTM D5185m	>4	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		0	0	0
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m	50	0	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	0	<1
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	1	0	3
Water	%	ASTM D6304	>0.01	0.001	△ 0.053	0.001
ppm Water	ppm	ASTM D6304	>100	13	△ 530	11.5
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	1317	<u>^</u> 26298	2455
Particles >6µm		ASTM D7647	>2500	294	<u>▲</u> 5890	655
Particles >14µm		ASTM D7647	>320	12	148	32
Particles >21µm		ASTM D7647	>80	2	15	5
Particles >38µm		ASTM D7647	>20	0	1	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	18/15/11	<u>22/20/14</u>	18/17/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.014	0.014	0.015



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Certificate 12367

Sample No. Lab Number

Laboratory : 06217351 Unique Number : 11090215

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USP0013135

Received : 21 Jun 2024 **Tested** : 25 Jun 2024

Diagnosed : 25 Jun 2024 - Doug Bogart

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)

HOUSTON, TX US 77029

Contact: SERVICE MANAGER

300 PORTWELL RD.

T: F: