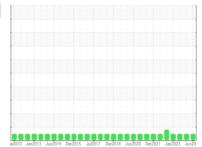


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

FRICK SC-4 (S/N SGC23130041)

Refrigeration Compressor

USPI 1009-68 SC (65 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.

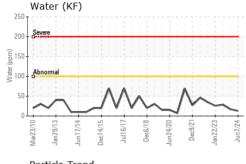
Fluid Condition

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

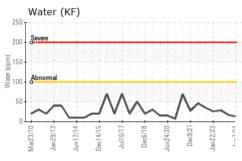
		ar2010 Jan201	3 Jun2014 Dec2015 Jul20	17 Dec2018 Jun2020 Dec2021 Ja	n2023 Jun20	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0013314	USP0004127	USP250031
Sample Date		Client Info		07 Jun 2024	07 Dec 2023	08 Jun 2023
Machine Age	hrs	Client Info		180444	176351	172249
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	0	0
Chromium	ppm	ASTM D5185m	>2	<1	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>3	0	0	0
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	<1	<1	0
Tin	ppm	ASTM D5185m	>4	0	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	0	2
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		0	0	<1
Calcium	ppm	ASTM D5185m		0	<1	<1
Phosphorus	ppm	ASTM D5185m		0	<1	0
Zinc	ppm	ASTM D5185m		<1	0	0
Sulfur	ppm	ASTM D5185m	50	21	0	117
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	2	<1
Sodium	ppm	ASTM D5185m		0	2	0
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Water	%	ASTM D6304	>0.01	0.001	0.002	0.003
ppm Water	ppm	ASTM D6304	>100	13	17	28.2
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		3421	3474	3928
Particles >6µm		ASTM D7647	>2500	733	874	975
Particles >14µm		ASTM D7647	>320	16	31	43
Particles >21µm		ASTM D7647	>80	1	4	7
Particles >38µm		ASTM D7647	>20	0	0	1
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/18/15	19/17/11	19/17/12	19/17/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.014	0.014	0.014

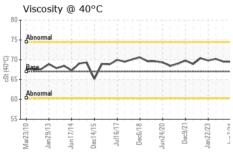


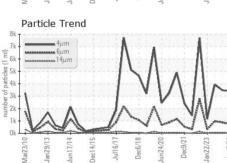
OIL ANALYSIS REPORT

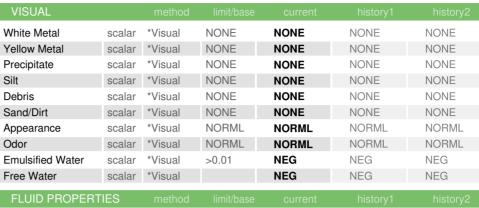


7k - 6k - 5k - 4k - 3k - 2k - 1	*******	4μm 6μm 14μm		1		1	٨		
3k- 2k- 1k- 0k	<u> </u>	A		1	~	~	V	V	,
	Jan29/13	4	Dec14/15	Jul16/17	Dec6/18 -	Jun24/20	Dec9/21	Jan22/23	



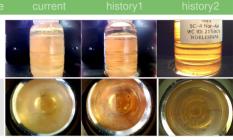


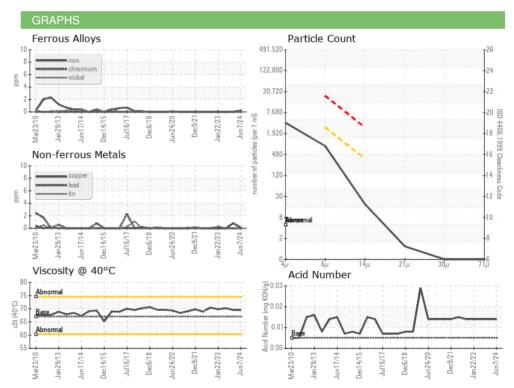




Visc @ 40°C	cSt	ASTM D445	67	69.5	69.53	70.2
SAMPLE IMAG	SES	method	limit/base	current	historv1	historv2

Color









Certificate 12367

Laboratory Sample No. Lab Number

Test Package : IND 2

: USP0013314 : 06210832 Unique Number : 11083696

Bottom

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

: 14 Jun 2024 **Tested** : 19 Jun 2024 Diagnosed

: 19 Jun 2024 - Doug Bogart

NOR-AM COLD STORAGE - WAREHOUSE

1555 21ST STEET LE MARS, IA US 51031

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.

T: (712)548-4433 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (712)548-4663