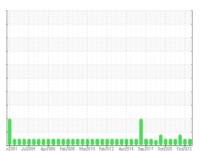


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

FRICK B21 1060 (S/N TDSL283L0030HH)

Refrigeration Compressor

USPI 1009-68 SC (--- 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.

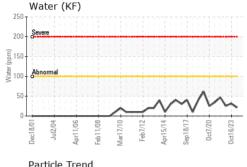
Fluid Condition

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

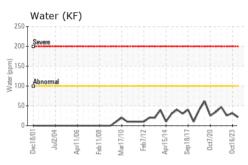
		ะ2001 Jul2004	Apr2006 Feb2008 Mar20	0 Feb2012 Apr2014 Sep2017 Oct2	020 0±2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0006365	USP0003403	USP248347
Sample Date		Client Info		16 Apr 2024	16 Oct 2023	19 May 2023
Machine Age	hrs	Client Info		69099	67829	66614
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	7	8	6
Chromium	ppm	ASTM D5185m	>2	<1	<1	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>3	2	0	0
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	<1	<1	<1
Tin	ppm	ASTM D5185m	>4	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
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		0	0	<1
Magnesium	ppm	ASTM D5185m		<1	<1	0
Calcium	ppm	ASTM D5185m		2	2	1
Phosphorus	ppm	ASTM D5185m		1	0	0
Zinc	ppm	ASTM D5185m		<1	0	0
Sulfur	ppm	ASTM D5185m	50	341	392	402
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	0	0
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	1	<1	0
Water	%	ASTM D6304	>0.01	0.002	0.003	0.003
ppm Water	ppm	ASTM D6304	>100	21	31.2	25.5
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	7375	8161	6776
Particles >6µm		ASTM D7647	>2500	2296	1723	2937
Particles >14μm		ASTM D7647	>320	99	39	179
Particles >21µm		ASTM D7647	>80	15	6	28
Particles >38µm		ASTM D7647	>20	0	0	1
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	20/18/14	20/18/12	20/19/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.014	0.028	0.012

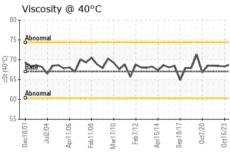


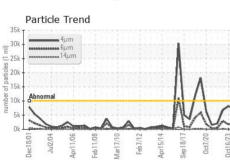
OIL ANALYSIS REPORT

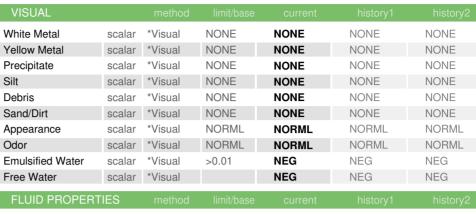


30k		4μm 6μm 14μm						
20k -						1	A	
15k - Ab	normal					IA .	4	
	\	_		<u> </u>		M	1	6
20k - 15k - Ab	1				Apr15/14			0~16/23









Visc @ 40°C	cSt	ASTM D445	67	68.8	68.3	68.4

AMPLE IMAGES	

Color

Bottom

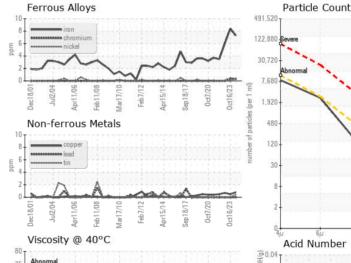


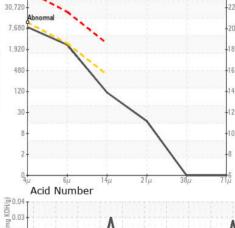


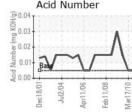




GRAPHS











Certificate 12367

Laboratory Sample No. Lab Number

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USP0006365 : 06156043 Unique Number : 10991466

Received : 22 Apr 2024 **Tested** Diagnosed

: 23 Apr 2024 : 24 Apr 2024 - Jonathan Hester

1101 S HORTON, P.O. BOX 1807 BRENHAM, TX

BLUE BELL-BRENHAM

US 77834

Contact: DAVID WEYNAND david.weynand@bluebell.com T:

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - 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)

F: (979)830-2199 Contact/Location: DAVID WEYNAND - BLUBRE