

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



FRICK 2 (S/N S1058RFMCTIAA03)

Refrigeration Compressor

USPI 1009-68 SC (85 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

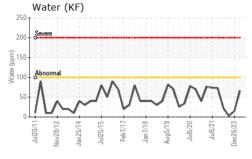
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		12011 Nov2012	. Jan2014 Jul2015 Feb20	17 Jan2018 Aug2019 Jul2020 Jul	021 Dec2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0008247	USP0004536	USP232106D
Sample Date		Client Info		26 Mar 2024	26 Dec 2023	28 Sep 2023
Machine Age	hrs	Client Info		89838	87820	87478
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		<1	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
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		0	0	<1
Tin	ppm	ASTM D5185m	>4	0	0	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	<1
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		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
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	8
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	<1
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm		>20	<1	0	<1
Water	%	ASTM D6304		0.006	0.001	0.001
ppm Water	ppm	ASTM D6304	>100	66	15	2.6
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>10000	773	1355	6189
Particles >6µm		ASTM D7647	>2500	143	382	1684
Particles >14μm		ASTM D7647	>320	14	20	63
Particles >21µm		ASTM D7647	>80	4	5	7
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71μm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	17/14/11	18/16/11	20/18/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

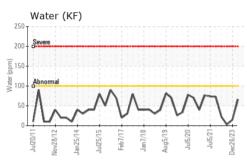
0.014

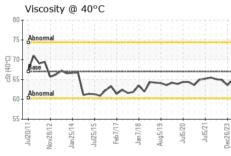


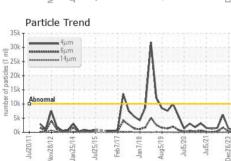
OIL ANALYSIS REPORT



35k		rticle	Tren	ıd						
301	_		4μm 6μm 14μm							
(lm) 25k 20k 10k 10k	Abr	normal			٨					
E 5k		A	4	Lip .	1	<u>Y</u>	\ <u>\</u>	7	_	<u>A</u>
	Jul20/1	Nov28/12	Jan25/14	Jul25/15	Feb7/1	Jan7/1	Aug5/19	Jul5/2	Jul5/21	Dec26/23







VISUAL		method				history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.01	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

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Visc @ 40°C	cSt	ASTM D445	67	65.0	63.6	64.9

SAIVIPLE IIVIAGES	memou	
Color		47



GRAPHS		
Ferrous Alloys	Particle Count	
ign		
chromium	122,880 Severe	
	30,720	
	Abnomal 7,680	
Jul26/11 Jul25/14 Jul25/14 Jul25/15 Jul25/17 Jul5/20	1.000 Pec28/23 1.000 Pec28/23 1.000 Pec28/23 1.000 Pec28/23 1.000 Pec28/23 1.000 Pec28/23 Pec	
Non-ferrous Metals	\$ 480 480	
copper	120	
MARAMARAMA [ead	and the same of th	
	30	
	8	
Jul26/11 Jul25/15 Jul25/15 Jul25/15 Jul25/15 Jul5/20	2- 2- 2- 2- 2- 2- 2- 2- 2- 2- 2- 2- 2- 2	
Juli Jan2 Juli Pet Aug		71
Viscosity @ 40°C	Acid Number	/1
Abnormal	§0.04	
Bose	E 0.03	
Abnormal	A Acid Mummer (mg KOH(g))	_
DIRECTOR OF THE PROPERTY OF TH	S 0.01 Baty	
Jul26/11 Jul25/15 Jul25/15 Jul25/15 Jul25/17 Jul5/20	Julis/21 Decc26/23 Julis/11- Julis/20 Julis/20	
Juli Jan2 Jan2 Jan Jan Juli	Juli Juli Juli Juli Juli Juli Juli	



Certificate L2367

Laboratory Sample No. Lab Number : 06133402

: USP0008247

Unique Number: 10952867 Test Package : IND 2

Bottom

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 Mar 2024 **Tested** : 01 Apr 2024

Diagnosed : 01 Apr 2024 - Doug Bogart **CONAGRA FOODS - WATERLOO**

2701 MIDPORT BLVD WATERLOO, IA US 50703

Contact:

T:

F:

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)