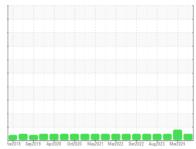


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id FRICK 17/D

Component
Refrigeration Compressor

USPI 1009-68 SC (--- 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.

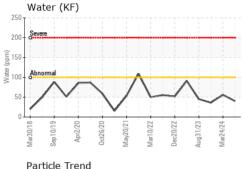
Fluid Condition

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

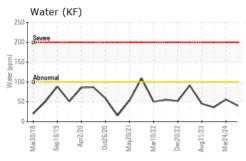
fm2018 Smp2019 App2020 Ox2020 Mmp20221 Mm2022 Ox2022 Aug2023 Mm2024							
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		USP0012399	USP0007972	USP0004389	
Sample Date		Client Info		09 Jul 2024	24 Mar 2024	12 Dec 2023	
Machine Age	hrs	Client Info		18679	17931	17305	
Oil Age	hrs	Client Info		17711	16963	16337	
Oil Changed		Client Info		N/A	N/A	N/A	
Sample Status				NORMAL	ATTENTION	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>8	2	0	1	
Chromium	ppm	ASTM D5185m	>2	0	0	0	
Nickel	ppm	ASTM D5185m		<1	1	0	
Titanium	ppm	ASTM D5185m		0	0	<1	
Silver	ppm	ASTM D5185m	>2	0	0	0	
Aluminum	ppm	ASTM D5185m	>3	<1	<1	0	
Lead	ppm	ASTM D5185m	>2	0	<1	0	
Copper	ppm	ASTM D5185m	>8	0	0	0	
Tin	ppm	ASTM D5185m	>4	0	<1	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		0	0	0	
Molybdenum	ppm	ASTM D5185m		0	0	0	
Manganese	ppm	ASTM D5185m		1	<1	0	
Magnesium	ppm	ASTM D5185m		0	0	0	
Calcium	ppm	ASTM D5185m		0	0	<1	
Phosphorus	ppm	ASTM D5185m		0	0	0	
Zinc	ppm	ASTM D5185m		0	0	0	
Sulfur	ppm	ASTM D5185m	50	51	45	0	
CONTAMINANTS		method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>15	1	0	<1	
Sodium	ppm	ASTM D5185m		3	<1	0	
Potassium	ppm	ASTM D5185m	>20	2	2	<1	
Water	%	ASTM D6304	>0.01	0.003	0.005	0.003	
ppm Water	ppm	ASTM D6304	>100	40	56	36	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2	
Particles >4µm		ASTM D7647	>10000	1157	10589	658	
Particles >6μm		ASTM D7647	>2500	261	2001	168	
Particles >14µm		ASTM D7647	>320	10	42	19	
Particles >21µm		ASTM D7647	>80	3	3	6	
Particles >38µm		ASTM D7647	>20	0	0	0	
Particles >71µm		ASTM D7647	>4	0	0	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	17/15/10	21/18/13	17/15/11	
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	

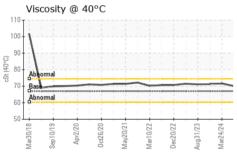


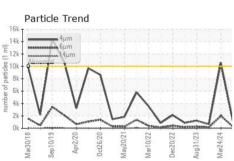
OIL ANALYSIS REPORT



Par 16k T	ticle	Trend	ł						
14k	- A	μm							
= 12k - Abo		μm 4μm							
58 10k - 10k	1	1	7					Λ	
12k - 12k - 10k - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	1	1/	1					11	
E 4k	1	٧	1	/	1			1.1	
0k		· Con	SHARING SOLES	11111	-		mulum		
Mar30/18	Sep10/19	Apr2/20	Oct26/20	May20/21	Mar10/22	Dec20/22	Aug31/23	Mar24/24	
Ma	Set	⋖	00	N	N	Dei	Aug	≥ E	







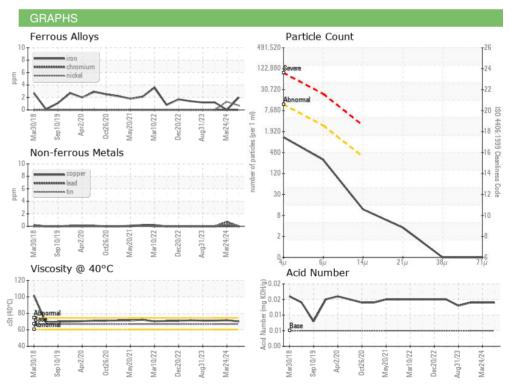
VISUAL		method				history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	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
FLUID PROPERT	TIEC	method	limit/haca	current	history1	history2

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Visc @ 40°C	cSt	ASTM D445	67	70.1	71.6	71.2



Bottom









Certificate 12367

Laboratory Sample No.

: USP0012399 Lab Number : 06238477 Unique Number : 11127311 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 16 Jul 2024

Diagnosed

Tested : 18 Jul 2024

: 18 Jul 2024 - Doug Bogart

CARGIL INC 3130 GHOLSON RD

WACO, TX US 76705

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.

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

Contact/Location: Service Manager - CARWAC_USP

T:

F: