

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

FRICK C-19 (S/N X03110)

Refrigeration Compressor

FRICK COMPRESSOR OIL #3 (165 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

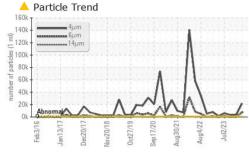
Fluid Condition

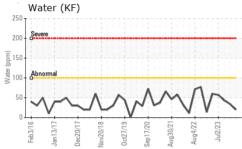
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

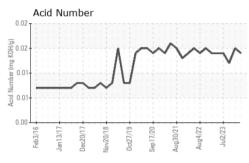
52016 Jan2017 Dec2017 Nov2018 Oc2019 Sec2020 Aug2021 Aug2022 Ju2023						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0013301	USP0004609	USP0001452
Sample Date		Client Info		13 Jun 2024	02 Jan 2024	02 Oct 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
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	<1	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	<1
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		<1	0	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		0	0	0
Zinc	ppm	ASTM D5185m		1	0	0
Sulfur	ppm	ASTM D5185m		0	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	0	<1
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m		<1	0	<1
Water	%	ASTM D6304	>0.01	0.002	0.003	0.004
ppm Water	ppm	ASTM D6304	>100	20	34	43.5
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	<u>^</u> 21936	△ 3186	▲ 3198
Particles >6µm		ASTM D7647	>160	<u>^</u> 6900	△ 639	466
Particles >14µm		ASTM D7647	>40	128	29	19
Particles >21µm		ASTM D7647		8	5	3
Particles >38μm		ASTM D7647	>3	0	0	0
Particles >71μm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>17/14/12	<u>22/20/14</u>	<u>19/16/12</u>	<u> </u>
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974		0.014	0.015	0.012

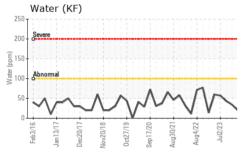


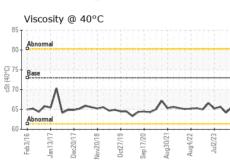
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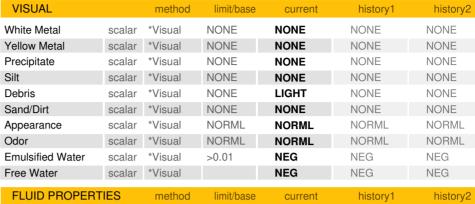












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Visc @ 40°0		cSt	ASTM D445	73	65.6	64.2	65.7

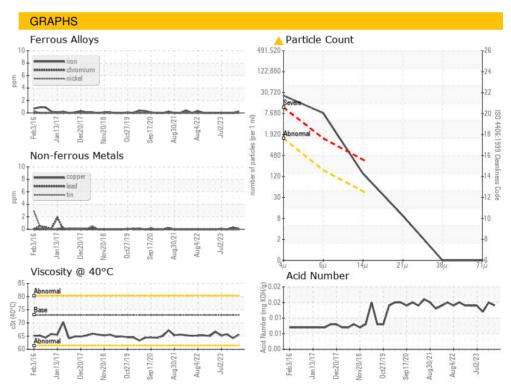
SAMPLE IMAGES	method	limit/base	current	history

Color





historv2







Certificate 12367

Laboratory Sample No. Lab Number

: 06210821 Unique Number : 11083685

Test Package : IND 2

: USP0013301

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 14 Jun 2024 **Tested**

Diagnosed

: 19 Jun 2024

: 19 Jun 2024 - Doug Bogart

DAYTON, VA US Contact: MIKE DUNLAP mike_dunlap@cargill.com

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: (540)879-2913

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