

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



CP6 C-6 (SWRC641406) (S/N 10242L14266779)

Refrigeration Compressor

FRICK COMPRESSOR OIL #9 (--- GAL)

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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.

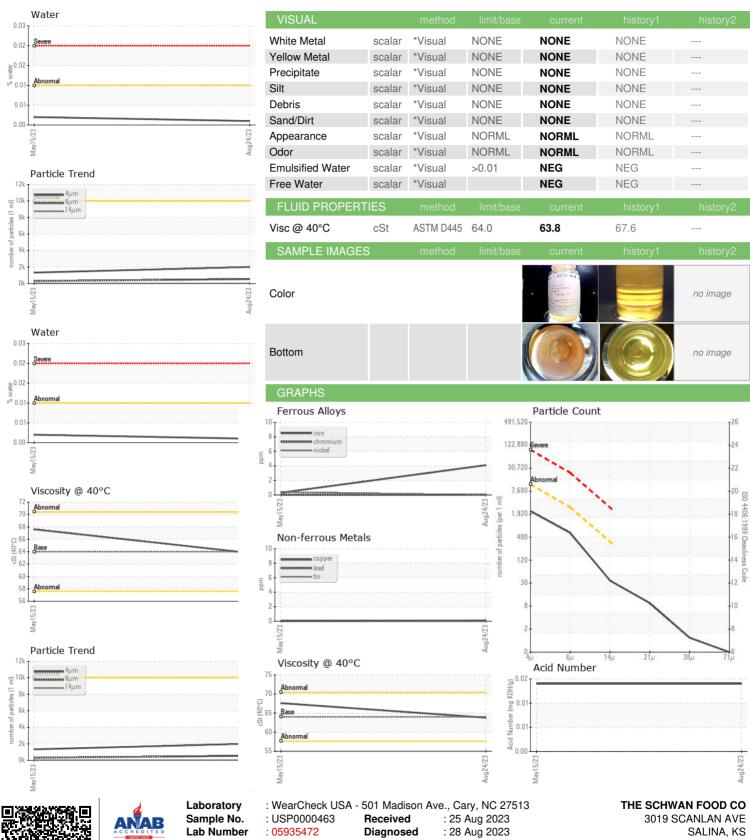
Fluid Condition

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

SAMPLE INFORMATION							
Sample Number				May2023	Aug2023		
Sample Date	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 0 0 0 0 0 0 0 0	Sample Number		Client Info		USP0000463	USP243201	
Oil Age nrs Client Info N/A N/A N/A ··· Oil Changed Client Info N/A N/A N/A ··· Sample Status NORMAL NORMAL ··· WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >8 4 <1	Sample Date		Client Info		24 Aug 2023	15 May 2023	
Oil Changed Sample Status Client Info N/A N/A N/A WEAR METALS method Imilibase current history1 history2 Iron ppm ASTM D5165m >8 4 <1	Machine Age	hrs	Client Info		0	0	
Sample Status method Imitibase current history1 history2 Iron ppm ASTM D5185m >8 4 <1	Oil Age	hrs	Client Info		0	0	
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >8 4 <1	Oil Changed		Client Info		N/A	N/A	
Iron	Sample Status				NORMAL	NORMAL	
Chromium ppm ASTM D5185m >2 0 0 ···· Nickel ppm ASTM D5185m 0 <1 ···· Titanium ppm ASTM D5185m 0 0 ···· Silver ppm ASTM D5185m >2 0 0 ···· Aluminum ppm ASTM D5185m >2 0 0 ···· Lead ppm ASTM D5185m >2 0 0 ···· Lead ppm ASTM D5185m >4 0 0 ···· Lead ppm ASTM D5185m >4 0 0 ···· Lead ppm ASTM D5185m >4 0 0 ···· Lead ppm ASTM D5185m 0 0 ···· Vanadium ppm ASTM D5185m 0 0 ···· Cadmium ppm ASTM D5185m 0 0 ···· Barium ppm	WEAR METALS		method	limit/base	current	history1	history2
Nickel ppm ASTM D5185m 0	Iron	ppm	ASTM D5185m	>8	4	<1	
Titanium	Chromium	ppm	ASTM D5185m	>2	0	0	
Titanium ppm ASTM D5185m 0 0 Silver ppm ASTM D5185m >2 0 0 Aluminum ppm ASTM D5185m >2 0 0 Lead ppm ASTM D5185m >2 0 0 Copper ppm ASTM D5185m 88 <1	Nickel	ppm	ASTM D5185m		0	<1	
Silver ppm ASTM D5185m >2 0 0 Aluminum ppm ASTM D5185m >3 0 <1	Titanium		ASTM D5185m		0	0	
Aluminum	Silver		ASTM D5185m	>2	0	0	
Lead ppm ASTM D5185m >2 0 0	Aluminum		ASTM D5185m	>3	0	<1	
Copper ppm ASTM D5185m >8 <1 0	Lead				0	0	
Tin ppm ASTM D5185m >4 0 0 Vanadium ppm ASTM D5185m <1 0 Cadmium ppm ASTM D5185m 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 Barium ppm ASTM D5185m 0 0 Molybdenum ppm ASTM D5185m 0 0 Manganese ppm ASTM D5185m 0 <1 Manganese ppm ASTM D5185m 0 1 Manganese ppm ASTM D5185m 0 1 Manganese ppm ASTM D5185m 0 1 Manganese ppm ASTM D5185m 0 0 Calcium ppm ASTM D5185m 0 0					_		
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Manganese ppm ASTM D5185m 0 <1 Magnesium ppm ASTM D5185m 0 0 Calcium ppm ASTM D5185m 0 0 Phosphorus ppm ASTM D5185m 0 0 Zinc ppm ASTM D5185m 0 0 Sulfur ppm ASTM D5185m 0 2 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 0 <1	Barium	ppm	ASTM D5185m		0	0	
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Zinc ppm ASTM D5185m 0 0 0 0 0 0	Calcium	ppm	ASTM D5185m		0	0	
Sulfur ppm ASTM D5185m 0 2 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 0 <1	Phosphorus	ppm	ASTM D5185m		0	0	
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Silicon ppm ASTM D5185m >15 0 <1 Sodium ppm ASTM D5185m 1 <1	Sulfur	ppm	ASTM D5185m		0	2	
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Water % ASTM D6304 >0.01 0.001 0.002 ppm Water ppm ASTM D6304 >100 0.00 24.9 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4μm ASTM D7647 >10000 2009 1331 Particles >6μm ASTM D7647 >2500 540 306 Particles >14μm ASTM D7647 >320 31 25 Particles >21μm ASTM D7647 >80 8 8 Particles >38μm ASTM D7647 >20 1 0 Particles >71μm ASTM D7647 >4 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 18/16/12 18/15/12 FLUID DEGRADATION method limit/base current history1 history2	Sodium	ppm	ASTM D5185m		1	<1	
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Particles >4μm ASTM D7647 >10000 2009 1331 Particles >6μm ASTM D7647 >2500 540 306 Particles >14μm ASTM D7647 >320 31 25 Particles >21μm ASTM D7647 >80 8 8 Particles >38μm ASTM D7647 >20 1 0 Particles >71μm ASTM D7647 >4 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 18/16/12 18/15/12 FLUID DEGRADATION method limit/base current history1 history2	ppm Water	ppm	ASTM D6304	>100	0.00	24.9	
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$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Particles >14µm		ASTM D7647	>320	31	25	
Particles >38μm ASTM D7647 >20 1 0 Particles >71μm ASTM D7647 >4 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 18/16/12 18/15/12 FLUID DEGRADATION method limit/base current history1 history2	Particles >21µm		ASTM D7647	>80	8	8	
Particles >71μm ASTM D7647 >4 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 18/16/12 18/15/12 FLUID DEGRADATION method limit/base current history1 history2	·			>20		0	
Oil Cleanliness ISO 4406 (c) >20/18/15 18/16/12 18/15/12 FLUID DEGRADATION method limit/base current history1 history2				>4	0	0	
	FLUID DEGRA <u>D</u> A	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT





Certificate L2367

Unique Number

Test Package

: 10620743 Diagnostician : IND 2

: Doug Bogart

US 67401 Contact: RICK DUVAL

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)

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