

OIL ANALYSIS REPORT

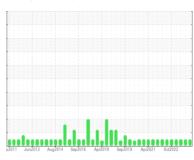
Sample Rating Trend

NORMAL

Refrigeration Compressor FRICK TYSCJ 14FRK (S/N S0015EFPPTHCA3)

Refrigeration Compressor

USPI 1009-68 SC (--- QTS)





DIAGNOSIS

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.

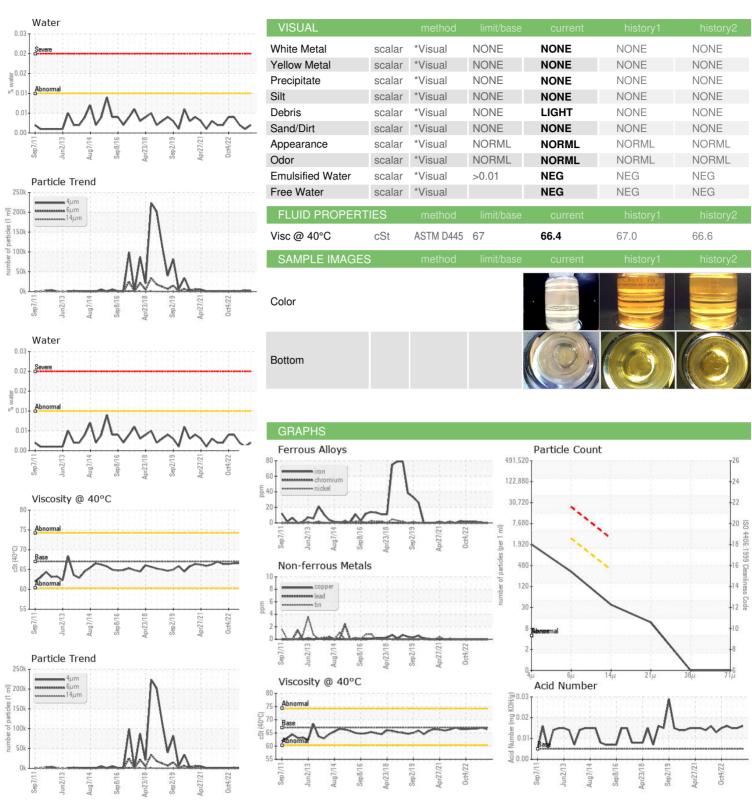
Fluid Condition

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

SAMPLE INFORM	NOITAN	method	limit/base	current	history1	history2
Sample Number		Client Info		USP249556	USP217371	USP244299
Sample Date		Client Info		26 Aug 2023	28 Jun 2023	10 Mar 2023
Machine Age	hrs	Client Info		21420	0	18312
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	<1	1
Chromium	ppm	ASTM D5185m	>2	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>3	<1	<1	0
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	0	0	0
Tin	ppm	ASTM D5185m	>4	0	0	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		0	0	0
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		ASTM D5185m	50	0	0	0
	ppm	ASTIVI DOTOSITI	00	•		•
CONTAMINANTS		method	limit/base	current		history2
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	method ASTM D5185m		current 0	history1	history2
Silicon Sodium	ppm	method ASTM D5185m ASTM D5185m	limit/base >15	current 0 0	history1 0 <1	history2 0 0
Silicon Sodium Potassium	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >15 >20	current 0 0 0	history1 0 <1 <1	history2 0 0 <1
Silicon Sodium Potassium Water	ppm	method ASTM D5185m ASTM D5185m	limit/base >15 >20 >0.01	current 0 0	history1 0 <1	history2 0 0
Silicon Sodium Potassium Water	ppm ppm ppm %	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304	limit/base >15 >20 >0.01	current 0 0 0 0 0	history1 0 <1 <1 0.001	history2 0 0 -<1 0.002
Silicon Sodium Potassium Water ppm Water	ppm ppm ppm %	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304	limit/base >15 >20 >0.01 >100	current 0 0 0 0 0 2 1.5	history1 0 <1 <1 0.001 7.1	history2 0 0 <-1 0.002 16.5
Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN	ppm ppm ppm %	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method	limit/base >15	current 0 0 0 0 0.002 21.5 current	history1 0 <1 <1 0.001 7.1 history1	history2 0 0 <1 0.002 16.5 history2
Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm	ppm ppm ppm %	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647	limit/base >15	current 0 0 0 0 0.002 21.5 current	history1 0 <1 <1 0.001 7.1 history1 3113	history2 0 0 <1 0.002 16.5 history2 821
Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm	ppm ppm ppm %	method ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647	limit/base >15 >20 >0.01 >100 limit/base >2500 >320	current 0 0 0 0 0.002 21.5 current 1704 280	history1 0 <1 <1 0.001 7.1 history1 3113 737	history2 0 0 <1 0.002 16.5 history2 821 217
Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm %	method ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647 ASTM D7647	limit/base >15 >20 >0.01 >100 limit/base >2500 >320	current 0 0 0 0 0.002 21.5 current 1704 280 32	history1 0 <1 <1 0.001 7.1 history1 3113 737 21	history2 0 0 <1 0.002 16.5 history2 821 217 11
Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm ppm ppm %	method ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >15 >20 >0.01 >100 limit/base >2500 >320 >80 >20	current 0 0 0 0 0.002 21.5 current 1704 280 32 10	history1 0 <1 <1 0.001 7.1 history1 3113 737 21 5	history2 0 0 <1 0.002 16.5 history2 821 217 11 3
Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm	ppm ppm ppm %	method ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 Method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >15 >20 >0.01 >100 limit/base >2500 >320 >80 >20	current 0 0 0 0 0.002 21.5 current 1704 280 32 10 0	history1 0 <1 <1 <0.001 7.1 history1 3113 737 21 5	history2 0 0 <1 0.002 16.5 history2 821 217 11 3 0
Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm ppm % ppm	method ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 Method ASTM D7647	limit/base >15 >20 >0.01 >100 limit/base >2500 >320 >80 >20 >4	current 0 0 0 0 0.002 21.5 current 1704 280 32 10 0	history1 0 <1 <1 0.001 7.1 history1 3113 737 21 5 1	history2 0 0 0 <1 0.002 16.5 history2 821 217 11 3 0 0



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

Test Package

: USP249556 +05938942: 10629554 : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 30 Aug 2023 : 31 Aug 2023 Diagnosed

: Doug Bogart Diagnostician

Contact: THOMAS SCHREIBER thomas.schreiber@tyson.com

TYSON-Columbus Junction-USP HWY 70 North, P.O. Box 272

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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US 52738