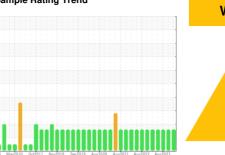


OIL ANALYSIS REPORT

Sample Rating Trend



WATER



FES 05411014

Component

Refrigeration Compressor

USPI HF SYN 220 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a trace of moisture present in the oil. The amount and size of particulates present in the system are acceptable.

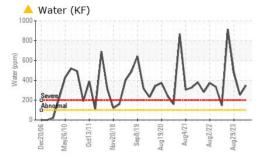
Fluid Condition

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

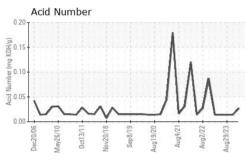
2006 May2010 Ox2011 Nov2018 Say2019 Aug2222 Aug2022 Aug2022 Aug2022 Aug2023								
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		USPM30109	USPM31519	USPM29433		
Sample Date		Client Info		22 Feb 2024	29 Nov 2023	29 Aug 2023		
Machine Age	days	Client Info		0	0	0		
Oil Age	days	Client Info		0	0	0		
Oil Changed		Client Info		N/A	N/A	N/A		
Sample Status				MARGINAL	MARGINAL	MARGINAL		
WEAR METALS		method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>8	4	2	2		
Chromium	ppm	ASTM D5185m	>2	<1	0	0		
Nickel	ppm	ASTM D5185m		<1	0	0		
Titanium	ppm	ASTM D5185m		<1	0	0		
Silver	ppm	ASTM D5185m	>2	<1	0	0		
Aluminum	ppm	ASTM D5185m	>3	<1	<1	<1		
Lead	ppm	ASTM D5185m	>2	<1	0	0		
Copper	ppm	ASTM D5185m	>8	<1	<1	0		
Tin	ppm	ASTM D5185m	>4	<1	<1	<1		
Vanadium	ppm	ASTM D5185m		0	0	0		
Cadmium	ppm	ASTM D5185m		<1	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		<1	0	0		
Manganese	ppm	ASTM D5185m		<1	0	0		
Magnesium	ppm	ASTM D5185m		0	0	0		
Calcium	ppm	ASTM D5185m		0	1	0		
Phosphorus	ppm	ASTM D5185m		0	1	<1		
Zinc	ppm	ASTM D5185m		2	0	0		
Sulfur	ppm	ASTM D5185m		0	21	0		
CONTAMINANTS		method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>15	3	1	<1		
Sodium	ppm	ASTM D5185m		0	0	0		
Potassium	ppm	ASTM D5185m	>20	<1	<1	0		
Water	%	ASTM D6304	>0.01	△ 0.034	△ 0.025	△ 0.048		
ppm Water	ppm	ASTM D6304	>100	▲ 349	△ 252	▲ 482.4		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2		
Particles >4µm		ASTM D7647	>10000	798	450	2410		
Particles >6µm		ASTM D7647	>2500	119	116	442		
Particles >14μm		ASTM D7647	>320	11	9	49		
Particles >21µm		ASTM D7647	>80	3	1	18		
Particles >38μm		ASTM D7647	>20	0	0	1		
Particles >71μm		ASTM D7647	>4	0	0	0		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	17/14/11	16/14/10	18/16/13		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2		
Acid Number (AN)	mg KOH/g	ASTM D974		0.027	0.014	0.014		

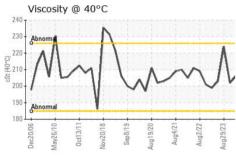


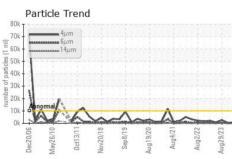
OIL ANALYSIS REPORT



70k - 60k -	4 6	µm µm 4µm				
60k 50k 40k 30k 20k						
30k - 20k -						
30k - 20k - Apr 10k - Apr	ormal		<u>\</u>	_^	A	



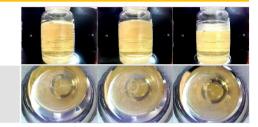


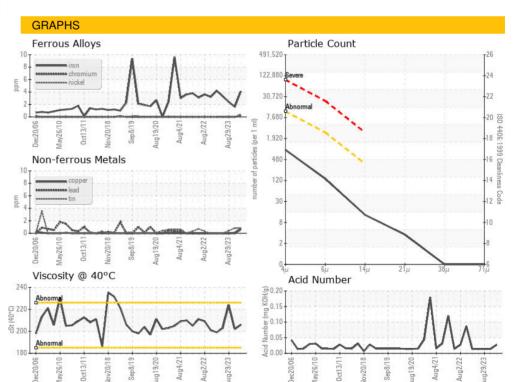


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		206	202	224
SAMPLE IMAGES	S	method	limit/base	current	history1	history2

Color









Certificate L2367

Laboratory Sample No. Lab Number : 06098476

: USPM30109

Unique Number : 10896706 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 Feb 2024 **Tested** : 26 Feb 2024

Diagnosed : 26 Feb 2024 - Doug Bogart **TYSON PP -SPRINGDALE-USP** SPRINGDALE, AR US 72764

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)

T:

F: