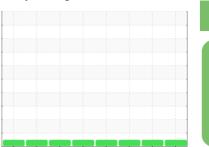


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

GEA TYSPBFP 12HS (S/N 00540-004-1-01-01)

Refrigeration Compressor

USPI ALT-68 SC (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable.

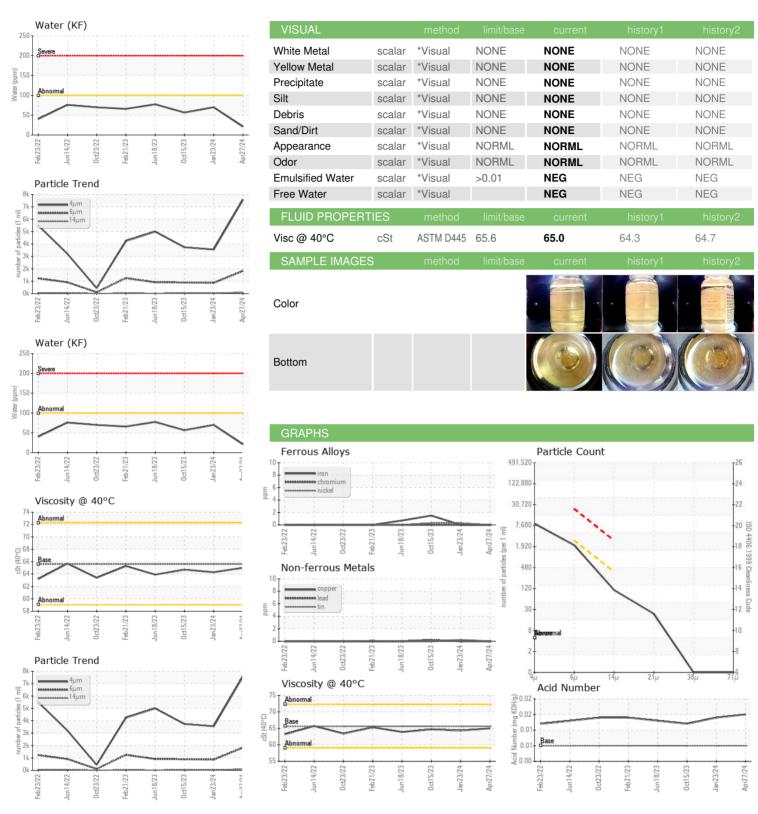
Fluid Condition

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

		Feb2022 J	un2022 Oct2022 Feb20	23 Jun 2023 Oct 2023 Jan 2024	Apr2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0006649	USP0005626	USP0001190
Sample Date		Client Info		27 Apr 2024	23 Jan 2024	15 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				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	0	0	2
Chromium	ppm	ASTM D5185m	>2	0	0	0
Nickel	ppm	ASTM D5185m		0	<1	<1
Titanium	ppm	ASTM D5185m		0	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	<1
Copper	ppm	ASTM D5185m	>8	0	<1	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		0	<1	0
Magnesium	ppm	ASTM D5185m		0	<1	0
Calcium	ppm	ASTM D5185m		0	1	0
Phosphorus	ppm	ASTM D5185m		0	0	0
Zinc	ppm	ASTM D5185m		0	0	1
Sulfur	ppm	ASTM D5185m	50	0	5	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	2	<1
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	0	0	<1
Water	%	ASTM D6304	>0.01	0.002	0.007	0.005
ppm Water	ppm	ASTM D6304	>100	21	70	56.4
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		7571	3553	3736
Particles >6µm		ASTM D7647	>2500	1831	862	888
Particles >14μm		ASTM D7647	>320	96	25	39
Particles >21µm		ASTM D7647	>80	20	4	9
Particles >38μm		ASTM D7647	>20	0	0	1
Particles >71μm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/18/15	20/18/14	19/17/12	19/17/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.015	0.014	0.012



OIL ANALYSIS REPORT







Certificate 12367

Sample No. Lab Number

Laboratory Unique Number : 10996949 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USP0006649 : 06161526

Received

: 26 Apr 2024 **Tested** Diagnosed

: 30 Apr 2024 : 30 Apr 2024 - Jonathan Hester **TYSON FP-PINE BLUFF-USP** PINE BLUFF, AR

US 71602 Contact: RICHARD RICKELS

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)

Report Id: TYSPBFP [WUSCAR] 06161526 (Generated: 05/04/2024 05:34:12) Rev: 1

Contact/Location: RICHARD RICKELS - TYSPBFP

T:

F: