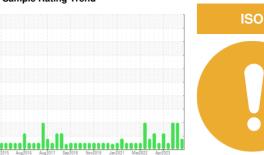


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

FES TYSTEWCB 1 (S/N 01087011)

Refrigeration Compressor

USPI 1009-68 SC (--- GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 6 microns in size) present in the oil.

Fluid Condition

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

		n2015 Aug20	16 Aug2017 Sep2018	Nov2019 Jan2021 Mar2022 A	hpr2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0008114	USP0004640	USP0001405
Sample Date		Client Info		02 Apr 2024	03 Jan 2024	08 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				ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	0	<1	2
Chromium	ppm	ASTM D5185m	>2	0	<1	0
Nickel	ppm	ASTM D5185m		0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>3	0	1	0
Lead	ppm	ASTM D5185m	>2	0	<1	0
Copper	ppm	ASTM D5185m	>8	0	0	<1
Tin	ppm	ASTM D5185m	>4	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	1	<1
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	<1	<1
Calcium	ppm	ASTM D5185m		0	<1	0
Phosphorus	ppm	ASTM D5185m		0	0	0
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m	50	13	0	2
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	1	1
Sodium	ppm	ASTM D5185m		1	0	0
Potassium	ppm	ASTM D5185m	>20	<1	<1	1
Water	%	ASTM D6304	>0.01	0.002	0.003	0.003
ppm Water	ppm	ASTM D6304	>100	25	31	35.2
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	11554	<u></u> 53047	▲ 58018
Particles >6µm		ASTM D7647	>2500	2002	<u>▲</u> 12225	<u>▲</u> 15939
Particles >14µm		ASTM D7647	>320	39	<u></u> 565	<u></u> 448
Particles >21µm		ASTM D7647	>80	7	<u>123</u>	146
Particles >38µm		ASTM D7647	>20	0	3	3
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	2 1/18/12	<u>\$\text{23/21/16}\$</u>	<u>△</u> 23/21/17
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.014	0.015	0.013



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06136922 Unique Number : 10956387

Test Package : IND 2

: USP0008114

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

: 02 Apr 2024 **Tested** : 03 Apr 2024 Diagnosed

: 04 Apr 2024 - Doug Bogart

COUNCIL BLUFFS, IA US Contact: RANDY CHARLTON

TYSON T.E.W.-COUNCIL BLUFFS-USP

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)

T:

F: