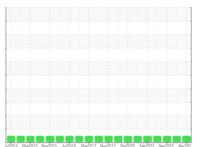


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

FES FES 4 (S/N KT-0169)

Refrigeration Compressor

USPI 1009-68 SC (--- QTS)

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.

		lul2014 Mar201	5 Nov2015 Jul2016 Mar2	017 Nov2017 Oct2020 Feb2022 Sep	2022 Apr202	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0006460	USP241808	USP212631
Sample Date		Client Info		23 Apr 2024	04 Dec 2022	22 Sep 2022
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	2	3	3
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	0	0	0
Aluminum	ppm	ASTM D5185m	>3	0	0	<1
Lead	ppm	ASTM D5185m	>2	<1	0	0
Copper	ppm	ASTM D5185m	>8	<1	<1	<1
Tin	ppm	ASTM D5185m	>4	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	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		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		0	1	0
Zinc	ppm	ASTM D5185m		8	13	8
Sulfur	ppm	ASTM D5185m	50	15	112	104
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	1	4
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>0.01	0.009	0.004	0.001
ppm Water	ppm	ASTM D6304	>100	92	48.7	7.6
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	850	1458	3510
Particles >6µm		ASTM D7647	>2500	240	316	768
Particles >14µm		ASTM D7647	>320	9	21	31
Particles >21µm		ASTM D7647	>80	2	6	2
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	17/15/10	18/15/12	19/17/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.014	0.015	0.014



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

Unique Number : 10994618

: USP0006460 : 06159195

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 Apr 2024 **Tested**

: 25 Apr 2024 Diagnosed

: 26 Apr 2024 - Jonathan Hester

Test Package : IND 2 Certificate 12367 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.

TYSON RF-DALLAS-USP

4114 MINT WAY DALLAS, TX US 75237

Contact: BRIAN WILBOURN brian.wilbourn@tyson.com T: (214)331-3264

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)