

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id TYSJOS4FES (S/N W1686)

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 no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

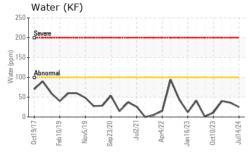
Fluid Condition

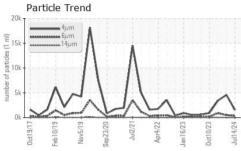
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

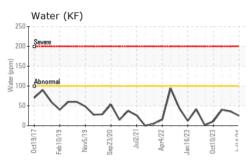
		ct2017 Feb20	19 Nov2019 Sep2020	Jul2021 Apr2022 Jan2023 Oct	2023 Jul202	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0012378	USP0006727	USP0005256
Sample Date		Client Info		14 Jul 2024	09 Apr 2024	08 Jan 2024
Machine Age	hrs	Client Info		54301	52903	52729
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	2	0
Chromium	ppm	ASTM D5185m	>2	0	<1	0
Nickel	ppm	ASTM D5185m		0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	<1
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	<1	<1
Tin	ppm	ASTM D5185m	>4	0	1	<1
Vanadium	ppm	ASTM D5185m		0	<1	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	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		0	<1	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	6	0
Sulfur	ppm	ASTM D5185m	50	3	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	5	5	4
Sodium	ppm	ASTM D5185m		1	0	0
Potassium	ppm	ASTM D5185m	>20	<1	1	1
Water	%	ASTM D6304	>0.01	0.002	0.003	0.004
ppm Water	ppm	ASTM D6304	>100	25	36	40
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1554	4560	3418
Particles >6µm		ASTM D7647	>2500	371	504	900
Particles >14µm		ASTM D7647	>320	22	5	34
Particles >21µm		ASTM D7647		5	1	5
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>/18/15	18/16/12	19/16/10	19/17/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.014	0.014	0.014
(/)	5 9					

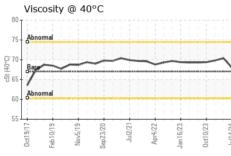


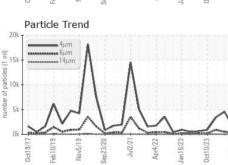
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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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 PROPER	ITIES	method				history2	
Visc @ 40°C	cSt	ASTM D445	67	68.0	70.4	69.8	

SAMPLE IMAGES	method		history2

Color





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	ferro	iron chromium nickel 61/940N 6	-ferrous Metals -copper lead tin 02/82/des 02/	iron chromium nickel 0202020000000000000000000000000000000	iron chromium nickel 2225000 222500 222500 222500 222500 222500 222500 222500 222500 22250	iron chromium nickel 227 127 127 127 127 127 127 127 127 127	February April 223 April 2	February April 22 - Ap	#91,520 122,880 30,720 7,680 FERTOUS Metals Copper tin Coppe	#81.520 122.880 30,720 7,680 #81.520 122.880 30,720 7,680 #81.520 122.880 480 #81.520 #	122,880 30,720 7,680 30,72	122,880 30,720 7,680 122,880 30,720 7,680 122,880 30,720 7,680 122,880 30,720 7,680 120,20	122,880 30,720 7,680 122,880 30,720 7,680 120,800	122,880 30,720 7,680 122,880 30,720 7,680 122,860	122,880 30,720 7,680 7	#91.520 122.880 30.720 7.680 Ferrous Metals





Certificate 12367

Laboratory Sample No. Lab Number : 06237842

: USP0012378 Unique Number : 11126676

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 16 Jul 2024 **Tested** : 18 Jul 2024

Diagnosed : 18 Jul 2024 - Doug Bogart Test Package : IND 2

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)

F: (402)423-6661

TYSON - FREEZER

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Contact: Service Manager

JOSLIN, IL

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