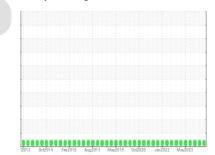


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id

FES TYSOLA C-1 (S/N 00041037)

Refrigeration Compressor

USPI 1009-68 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 oil. The amount and size of particulates present in the system are acceptable.

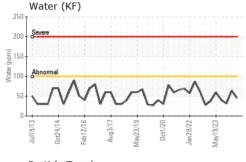
Fluid Condition

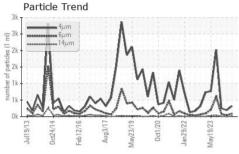
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

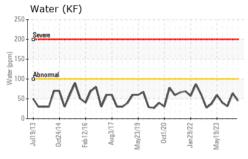
		12013 Oct20	14 Feb2016 Aug2017	May2019 Oct2020 Jan2022 N	Tay2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0012679	USP0007565	USP0003834
Sample Date		Client Info		24 May 2024	22 Feb 2024	18 Nov 2023
Machine Age	hrs	Client Info		80379	78249	76012
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	<1	0	<1
Chromium	ppm	ASTM D5185m	>2	<1	0	<1
Nickel	ppm	ASTM D5185m		<1	<1	<1
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	1	<1
Copper	ppm	ASTM D5185m	>8	<1	0	<1
Tin	ppm	ASTM D5185m	>4	<1	1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		<1	0	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		<1	0	0
Calcium	ppm	ASTM D5185m		0	<1	1
Phosphorus	ppm	ASTM D5185m		0	0	0
Zinc	ppm	ASTM D5185m		0	3	0
Sulfur	ppm	ASTM D5185m	50	0	3	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	<1
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	1	<1	1
Water	%	ASTM D6304	>0.01	0.004	0.006	0.003
ppm Water	ppm	ASTM D6304	>100	45	64	31
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		320	194	247
Particles >6µm		ASTM D7647	>2500	85	41	71
Particles >14µm		ASTM D7647	>320	11	3	8
Particles >21µm		ASTM D7647	>80	3	0	3
Particles >38µm		ASTM D7647	>20	0	0	1
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/18/15	15/14/11	15/13/9	15/13/10
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

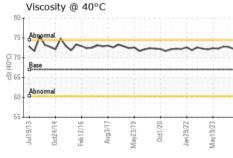


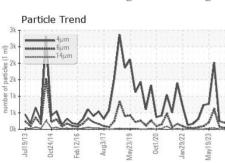
OIL ANALYSIS REPORT

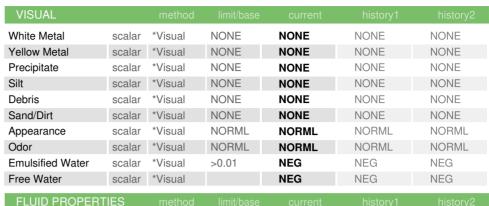








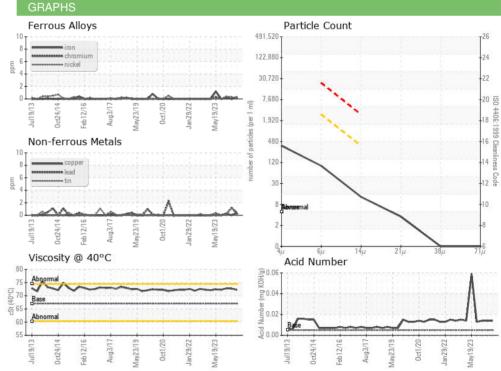




Visc @ 40°C	;	cSt	ASTM D445	67	72.2	72.7	72.8

SAMPLE IMAGES	method				history2
			R		
Color		.5		9 88	

Bottom







Certificate 12367

Laboratory Sample No.

Test Package : IND 2

: USP0012679 Lab Number : 06198233 Unique Number : 11060356

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 03 Jun 2024 **Tested** : 06 Jun 2024

Diagnosed

: 06 Jun 2024 - Doug Bogart

TYSON DC -OLATHE-USP

OLATHE, KS LIS Contact: ROCKY DENNIS

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: TYSOLA [WUSCAR] 06198233 (Generated: 06/07/2024 21:34:46) Rev: 1

Contact/Location: ROCKY DENNIS - TYSOLA

T:

F: