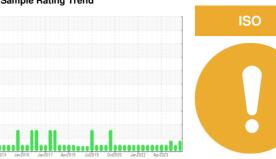


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

FES TYSNAS 1A (S/N KT0219)

Refrigeration Compressor

Fluid

USPI ALT-68 SC (220 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

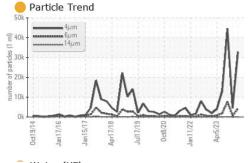
Fluid Condition

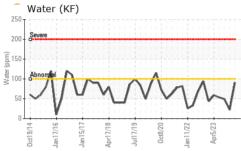
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

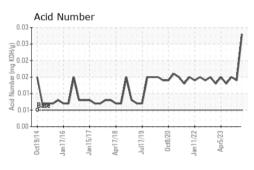
2014 Jan2016 Jan2017 Apr2018 Jul2019 Oct2020 Jan2022 Apr2023									
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		USP0013392	USP0007278	USP0001236			
Sample Date		Client Info		11 Jun 2024	05 Feb 2024	15 Oct 2023			
Machine Age	hrs	Client Info		0	0	0			
Oil Age	hrs	Client Info		0	0	0			
Oil Changed		Client Info		N/A	N/A	N/A			
Sample Status				ATTENTION	NORMAL	ABNORMAL			
WEAR METALS		method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185m	>8	8	7	7			
Chromium	ppm	ASTM D5185m	>2	0	0	0			
Nickel	ppm	ASTM D5185m		0	0	<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	<1	<1			
Copper	ppm	ASTM D5185m	>8	2	<1	0			
Tin	ppm	ASTM D5185m	>4	0	0	0			
Vanadium	ppm	ASTM D5185m		<1	<1	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	0	0			
Calcium	ppm	ASTM D5185m		1	1	<1			
Phosphorus	ppm	ASTM D5185m		0	0	0			
Zinc	ppm	ASTM D5185m		0	0	1			
Sulfur	ppm	ASTM D5185m	50	0	11	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	<1	2	<1			
Water	%	ASTM D6304	>0.01	0.009	0.002	0.004			
ppm Water	ppm	ASTM D6304	>100	91	22	49.0			
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2			
Particles >4µm		ASTM D7647		32701	4544	44531			
Particles >6µm		ASTM D7647	>2500	4232	697	▲ 7662			
Particles >14µm		ASTM D7647	>320	60	16	127			
Particles >21µm		ASTM D7647	>80	4	3	20			
Particles >38µm		ASTM D7647	>20	0	0	0			
Particles >71µm		ASTM D7647	>4	0	0	0			
Oil Cleanliness		ISO 4406 (c)	>/18/15	22/19/13	19/17/11	<u>△</u> 23/20/14			
FLUID DEGRADA	TION	method	limit/base	current	history1	history2			
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.028	0.014	0.015			

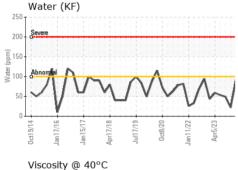


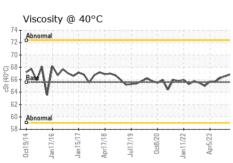
OIL ANALYSIS REPORT

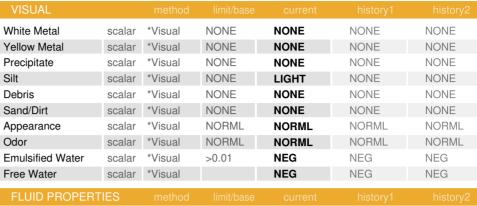










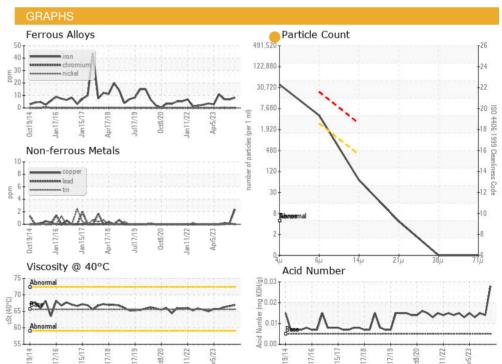


I LOID I HOI LITTILO							
Visc @ 40°C	cSt	ASTM D445	65.6	66.9	66.6	66.3	

Color

Bottom





: 15 Jun 2024 - Doug Bogart





Laboratory Sample No.

: USP0013392 Lab Number : 06207896

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 12 Jun 2024 **Tested** : 14 Jun 2024

Diagnosed

Unique Number : 11075357 Test Package : IND 2

TYSON -NASHVILLE-USP

NASHVILLE, AR LIS

Contact: SERVICE MANAGER

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.

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

T:

F: