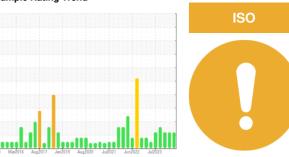


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

FES TYSGOO 1-565 (S/N 00317016)

Refrigeration Compressor

USPI ALT-68 SC (185 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 < 14 microns in size) present in the oil.

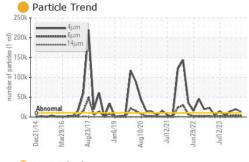
Fluid Condition

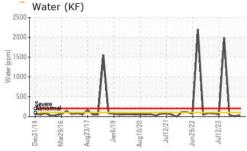
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

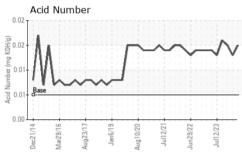
z2014 Mur2016 Aug2017 Jun2019 Aug2020 Ju2021 Jun2022 Ju2023										
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2				
Sample Number		Client Info		USP219284	USP247162	USP233796				
Sample Date		Client Info		27 Apr 2024	16 Jan 2024	20 Nov 2023				
Machine Age	hrs	Client Info		0	0	0				
Oil Age	hrs	Client Info		0	0	0				
Oil Changed		Client Info		N/A	N/A	N/A				
Sample Status				ATTENTION	ATTENTION	ATTENTION				
WEAR METALS		method	limit/base	current	history1	history2				
Iron	ppm	ASTM D5185m	>8	0	0	0				
Chromium	ppm	ASTM D5185m	>2	0	0	<1				
Nickel	ppm	ASTM D5185m		0	<1	<1				
Titanium	ppm	ASTM D5185m		<1	0	<1				
Silver	ppm	ASTM D5185m	>2	0	0	0				
Aluminum	ppm	ASTM D5185m	>3	0	0	0				
Lead	ppm	ASTM D5185m	>2	0	0	0				
Copper	ppm	ASTM D5185m		0	<1	<1				
Tin	ppm	ASTM D5185m	>4	0	0	0				
Vanadium	ppm	ASTM D5185m	7	0	0	0				
Cadmium		ASTM D5185m		0	0	<1				
	ppm		12	-						
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	<1				
Manganese	ppm	ASTM D5185m		<1	<1	0				
Magnesium	ppm	ASTM D5185m		0	<1	0				
Calcium	ppm	ASTM D5185m		0	<1	<1				
Phosphorus	ppm	ASTM D5185m		0	0	1				
Zinc	ppm	ASTM D5185m		0	2	0				
Sulfur	ppm	ASTM D5185m	50	0	0	0				
CONTAMINANTS		method	limit/base	current	history1	history2				
Silicon	ppm	ASTM D5185m	>15	0	0	1				
Sodium	ppm	ASTM D5185m		1	0	0				
Potassium	ppm	ASTM D5185m	>20	0	0	<1				
Water	%	ASTM D6304	>0.01	0.003	0.001	0.003				
ppm Water	ppm	ASTM D6304	>100	32	8	36				
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2				
Particles >4µm		ASTM D7647	>10000	13157	19556	14364				
Particles >6µm		ASTM D7647	>2500	3178	3077	3014				
Particles >14µm		ASTM D7647	>320	93	71	94				
Particles >21µm		ASTM D7647	>80	15	9	17				
Particles >38µm		ASTM D7647	>20	0	0	0				
Particles >71µm		ASTM D7647	>4	0	0	0				
Oil Cleanliness		ISO 4406 (c)	>20/18/15	2 1/19/14	21/19/13	21/19/14				
FLUID DEGRADA	TION _	method	limit/base	current	history1	history2				
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.015	0.013	0.015				

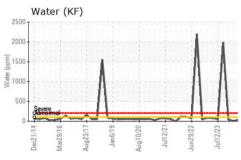


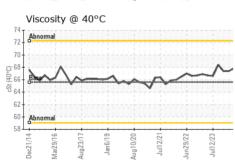
OIL ANALYSIS REPORT

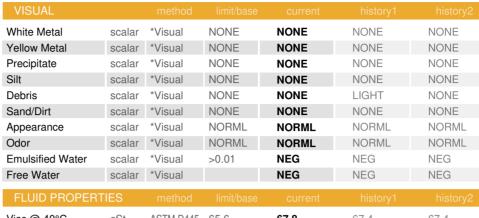










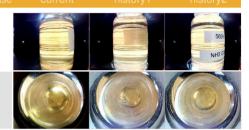


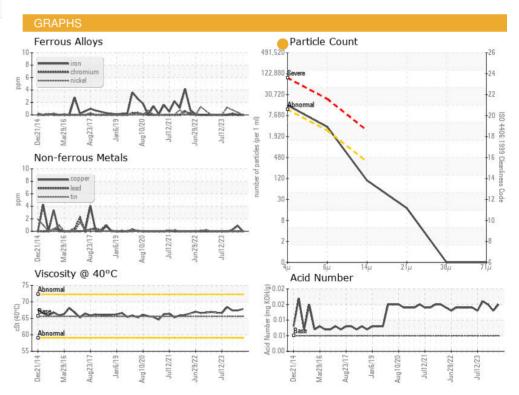
Visc @ 40°C	cSt	ASTM D445	65.6	67.8	67.4	67.4

Color

SAMPLE IMAGES











Certificate 12367

Laboratory Sample No. Lab Number

: USP219284 : 06161581 Unique Number : 10997004

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 26 Apr 2024 Tested : 30 Apr 2024

Diagnosed : 30 Apr 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)

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Contact: JOHN BAKER

US 37072