

OIL ANALYSIS REPORT

Sample Rating Trend



ISO



FES TYSGOO 2-565 (S/N Y0363)

Refrigeration Compressor

USPI ALT-68 SC (--- GAL)

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▲ 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.

12014 Feb2016 Feb2017 Apr2018 Dec2019 Jan2021 Mar2022 Dec2022								
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		USP247163	USP0001420	USP246521		
Sample Date		Client Info		16 Jan 2024	08 Oct 2023	12 Jul 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	ABNORMAL	ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>8	0	<1	0		
Chromium	ppm	ASTM D5185m	>2	0	0	0		
Nickel	ppm	ASTM D5185m		0	1	<1		
Titanium	ppm	ASTM D5185m		0	0	<1		
Silver	ppm	ASTM D5185m	>2	0	0	0		
Aluminum	ppm	ASTM D5185m	>3	0	0	<1		
Lead	ppm	ASTM D5185m	>2	0	0	0		
Copper	ppm	ASTM D5185m	>8	<1	0	0		
Tin	ppm	ASTM D5185m	>4	0	0	0		
Vanadium	ppm	ASTM D5185m		0	0	<1		
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	<1	0		
Molybdenum	ppm	ASTM D5185m		0	0	0		
Manganese	ppm	ASTM D5185m		<1	0	0		
Magnesium	ppm	ASTM D5185m		<1	0	0		
Calcium	ppm	ASTM D5185m		<1	0	0		
Phosphorus	ppm	ASTM D5185m		0	0	0		
Zinc	ppm	ASTM D5185m		2	0	0		
Sulfur	ppm	ASTM D5185m	50	0	0	0		
CONTAMINANTS	;	method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>15	2	4	3		
Sodium	ppm	ASTM D5185m		0	0	<1		
Potassium	ppm	ASTM D5185m	>20	0	1	3		
Water	%	ASTM D6304	>0.01	0.003	0.007	0.003		
ppm Water	ppm	ASTM D6304	>100	32	70.3	36.0		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2		
Particles >4µm		ASTM D7647	>10000	11974	<u> </u>	<u>4</u> 24519		
Particles >6µm		ASTM D7647	>2500	3293	4314	4934		
Particles >14µm		ASTM D7647	>320	115	56	62		
Particles >21µm		ASTM D7647	>80	15	12	9		
Particles >38μm		ASTM D7647	>20	1	0	0		
Particles >71µm		ASTM D7647	>4	0	0	0		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	2 1/19/14	22/19/13	<u>22/19/13</u>		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2		
A aid Number (ANI)	I/OLI/-	ACTM DOZA	0.005	0.014	0.014	0.015		

Acid Number (AN)

0.014

0.014

mg KOH/g ASTM D974 0.005

0.015



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Certificate L2367

Sample No. Lab Number **Unique Number**

: 06062862 : 10834244 Test Package : IND 2

: USP247163 Recieved : 17 Jan 2024 Diagnosed : 19 Jan 2024

Diagnostician : Doug Bogart

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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