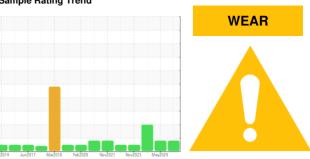


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

NH3 RECYCLED

Refrigeration Compressor

USPI ALT-68 SC (--- GAL)

DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample.

Wear

The iron level is marginal.

Contamination

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

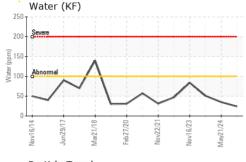
Fluid Condition

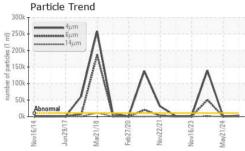
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

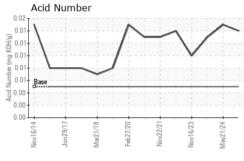
		Vov2014 Ju	un2017 Mar2018 Feb	2020 Nov2021 Nov2023	May2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0013294	USP0011612	USP0006354
Sample Date		Client Info		13 Jun 2024	21 May 2024	16 Apr 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	1110	Client Info		N/A	N/A	N/A
Sample Status				MARGINAL	MARGINAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	<u> </u>	4 39	<1
Chromium	ppm	ASTM D5185m	>2	<1	<1	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>3	0	0	0
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	<1	<1	0
Tin	ppm	ASTM D5185m	>4	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	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		<1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	<1	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		0	0	<1
Zinc	ppm	ASTM D5185m		<1	0	0
Sulfur	ppm	ASTM D5185m	50	0	0	4
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	2	2
Sodium	ppm	ASTM D5185m	710	0	0	<1
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
Water	%	ASTM D6304		0.002	0.003	0.005
ppm Water	ppm	ASTM D6304	>100	24	35	51
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	3154	706	△ 139396
Particles >6µm		ASTM D7647	>2500	913	151	▲ 50606
Particles >14µm		ASTM D7647	>320	30	9	▲ 1193
Particles >21µm		ASTM D7647	>80	2	2	<u>▲</u> 85
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	19/17/12	17/14/10	<u>4</u> 24/23/17
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.014	0.015	0.013
ACIO INUITIDEI (AIN)	my NOT I/g	AUTIVI DJ14	0.003	0.014	0.015	0.013

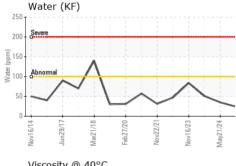


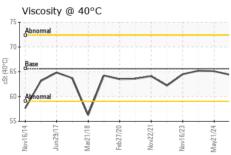
OIL ANALYSIS REPORT

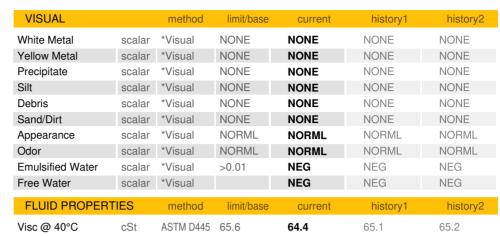












SAMPLE IMAGES

method

limit/base

current

Particle Count

history1

history2

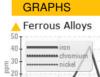
Color

Bottom

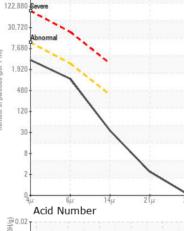


491.52





Non-ferrous Metals Viscosity @ 40°C



0.02 (mg KOH/g) 0.01 0.01 0.00 G





Certificate 12367

Laboratory Sample No. Lab Number

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USP0013294 : 06210838 Unique Number : 11083702

Received **Tested**

: 14 Jun 2024 : 19 Jun 2024

Diagnosed : 19 Jun 2024 - Doug Bogart **TYSON -CLARKSVILLE-USP**

CLARKSVILLE, AR LIS

Contact: BRENT SMITH

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)

Jov22/21

T:

F: