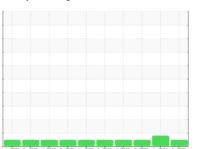


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

MH-HT-2 (S/N 00857-003-1-01-02)

Refrigeration Compressor

USPI 1009-68 SC (--- GAL)

Recommendation

Resample at the next service interval to monitor.

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.

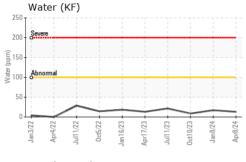
Fluid Condition

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

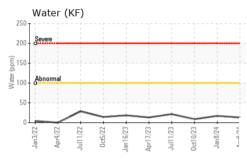
Jan2022 Apr2022 Jul2022 Oct2022 Jan2023 Apr2023 Jul2023 Oct2023 Jan2024 Apr2024						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0007845	USP0005252	USP0001080
Sample Date		Client Info		08 Apr 2024	08 Jan 2024	10 Oct 2023
Machine Age	hrs	Client Info		7296	7395	7392
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	<1	<1	0
Chromium	ppm	ASTM D5185m	>2	<1	0	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>3	1	0	0
Lead	ppm	ASTM D5185m	>2	1	0	0
Copper	ppm	ASTM D5185m	>8	<1	<1	<1
Tin	ppm	ASTM D5185m	>4	1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	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		<1	<1	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		<1	0	0
Calcium	ppm	ASTM D5185m		0	0	<1
Phosphorus	ppm	ASTM D5185m		0	0	<1
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m	50	0	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	<1
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	<1	1	0
Water	%	ASTM D6304	>0.01	0.001	0.002	0.001
ppm Water	ppm	ASTM D6304	>100	13	17	8.8
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		462	19360	545
Particles >6µm		ASTM D7647	>2500	73	4534	112
Particles >14μm		ASTM D7647	>320	6	35	8
Particles >21µm		ASTM D7647		1	7	2
Particles >38μm		ASTM D7647	>20	0	1	0
Particles >71μm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>/18/15	16/13/10	21/19/12	16/14/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.014	0.014	0.015

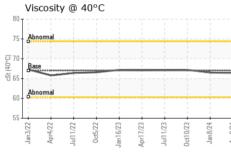


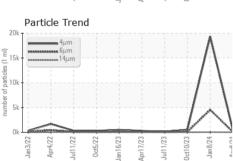
OIL ANALYSIS REPORT



21	Par	ticle	Tren	d						
	_	4	lμm Sμm 4μm						Λ	
number of particles (1 ml)	Ok -								/ \	\
										1
	Jan3/22 → 36	Apr4/22	Jul11/22	0ct5/22	Jan 16/23	Apr17/23	Jul11/23	0ct10/23	Jan8/24	Apr8/24







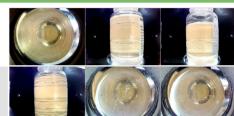
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.01	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

FLUID PROPER	THES	memod			riistory i	History∠
Visc @ 40°C	cSt	ASTM D445	67	66.4	66.5	67.2

	SAMP	LE IMAGES	
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Color

Bottom



GRAPHS		
Ferrous Alloys	Particle Count	T ²⁶
8 iron	122,880	-24
E 6 4nickel	30,720	-22
22	7,680 - E	-20 8
Jan3/22 Apr4/22 Jul11/22 Oct5/22 Jan16/23 Apr17/23 Oct10/23	45/2/4 (b et al. 1) (b) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	-18 6:1
Non-ferrous Metals	App8/24-480 (per 1 13)	+20 Sto 4406:1999 Cleanliness Code
8 copper	120	-14 mliness
E 6tin	30	-12 G
2	8 Abresemal	10
Jan3/22 Apr4/22 Juli 1/22 Oct5/22 Juli 1/23 Juli 1/23 Juli 1/23 Juli 1/23 Juli 1/23 Juli 1/23 Jun8/24 Ju	4 Apr8/24	-8
, , , , ,	04μ 6μ 14μ 21μ 38μ	71 _µ 6
Viscosity @ 40°C	Acid Number	
75 Abnormal	90002 I	
(2) 70 Base	E 0.02	
65 60 Abnormal	8 0.01 Base	
55	20.00 Mmmber (mg K0H/g)	
Jan3/22 Apr4/22 Juli11/22 Oct5/22 Jan16/23 Apr17/23 Juli11/23 Jan8/24	Apr8/24 Apr4/22 Juli 1/22 Juli 1/22 Jan 16/23 Juli 1/23 Juli 1/23	Jan8/24 - Apr8/24 -





Certificate 12367

Laboratory Sample No.

Test Package : IND 2

: USP0007845 Lab Number : 06146633 Unique Number : 10976711

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Apr 2024 **Tested** : 12 Apr 2024

Diagnosed : 15 Apr 2024 - Doug Bogart **TYSON - FREEZER** 28424 38TH AVE N JOSLIN, IL

US 61257 Contact: Service Manager

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)

F: (402)423-6661