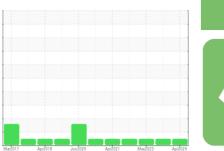


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

FRICK HS3 11347 (S/N S0017BFMPLHAA3)

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.

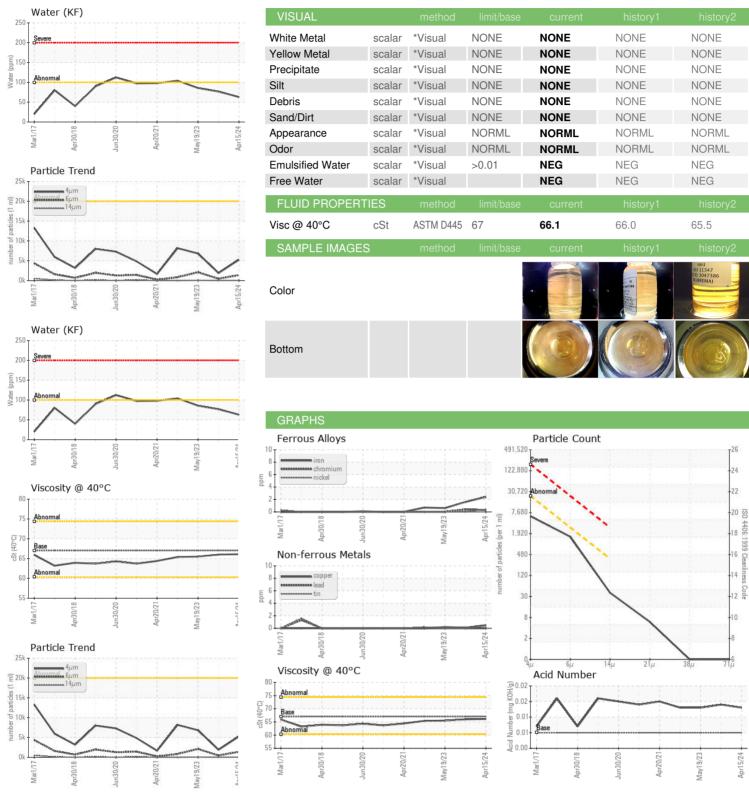
Fluid Condition

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

		Mar2017	Apr2018 Jun2020	Apr2021 May2023	Apr2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0006504	USP0003398	USP248359
Sample Date		Client Info		15 Apr 2024	16 Oct 2023	19 May 2023
Machine Age	hrs	Client Info		126587	124834	124019
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	2	2	<1
Chromium	ppm	ASTM D5185m	>2	<1	<1	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>3	2	0	0
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	<1	<1	<1
Tin	ppm	ASTM D5185m	>4	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	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		<1	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		<1	0	0
Calcium	ppm	ASTM D5185m		<1	<1	<1
Phosphorus	ppm	ASTM D5185m		0	0	0
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m	50	0	0	9
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	0	0
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	1	<1	0
Water	%	ASTM D6304	>0.01	0.006	0.007	0.008
ppm Water	ppm	ASTM D6304	>100	63	76.7	85.7
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	5258	1887	6815
Particles >6µm		ASTM D7647	>2500	1365	452	2100
Particles >14µm		ASTM D7647	>320	34	19	68
Particles >21µm		ASTM D7647	>80	5	3	10
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/18/15	20/18/12	18/16/11	20/18/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.013	0.014	0.013



OIL ANALYSIS REPORT







Sample No. Lab Number

Laboratory Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USP0006504 : 06156041 Unique Number : 10991464

Received : 22 Apr 2024 **Tested** : 23 Apr 2024 Diagnosed

: 24 Apr 2024 - Jonathan Hester

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)

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BLUE BELL-BRENHAM

BRENHAM, TX

F: (979)830-2199

US 77834

Report Id: BLUBRE [WUSCAR] 06156041 (Generated: 04/24/2024 07:50:17) Rev: 1

Contact/Location: DAVID WEYNAND - BLUBRE