

OIL ANALYSIS REPORT

NORMAL

Machine Id FRICK TYSTVDC 1B (S/N U154300323)

Refrigeration Compressor

USPI ALT-68 SC (--- GAL)

Recommendation

Resample at the next service interval to monitor.

Wear

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

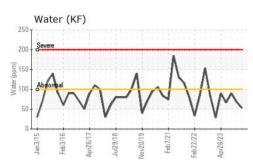
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

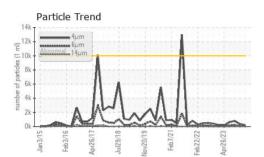
2015 Feb2015 Apr2017 Jul2018 Nov2015 Feb2021 Feb2022 Apr2023								
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		USP0006629	USP0005454	USP0002817		
Sample Date		Client Info		27 Apr 2024	31 Jan 2024	26 Oct 2023		
Machine Age	hrs	Client Info		0	0	0		
Oil Age	hrs	Client Info		0	0	0		
Oil Changed		Client Info		N/A	N/A	N/A		
Sample Status				NORMAL	NORMAL	NORMAL		
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	0	<1		
Titanium	ppm	ASTM D5185m		<1	<1	<1		
Silver	ppm	ASTM D5185m	>2	0	0	0		
Aluminum	ppm	ASTM D5185m	>3	0	0	1		
Lead	ppm	ASTM D5185m	>2	0	<1	0		
Copper	ppm	ASTM D5185m	>8	0	0	<1		
Tin	ppm	ASTM D5185m	>4	0	<1	<1		
Vanadium	ppm	ASTM D5185m		0	0	0		
Cadmium	ppm	ASTM D5185m		0	0	<1		
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	0	0		
Magnesium	ppm	ASTM D5185m		0	0	0		
Calcium	ppm	ASTM D5185m		0	0	0		
Phosphorus	ppm	ASTM D5185m		0	0	0		
Zinc	ppm	ASTM D5185m		0	0	0		
Sulfur	ppm	ASTM D5185m	50	59	29	0		
CONTAMINANTS		method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>15	0	<1	<1		
Sodium	ppm	ASTM D5185m	210	1	0	2		
Potassium		ASTM D5185m	>20	0	0	2		
Water	ppm %	ASTM D3103III		0.005	0.006	0.009		
ppm Water	ppm	ASTM D0304 ASTM D6304	>100	53	68	90.4		
FLUID CLEANLIN		method	limit/base	current	history1	history2		
Particles >4µm		ASTM D7647	>10000	210	363	796		
Particles >6µm		ASTM D7647	>2500	71	79	201		
Particles >14µm		ASTM D7647	>320	7	11	19		
Particles >21µm		ASTM D7647		1	3	4		
Particles >38µm		ASTM D7647 ASTM D7647	>20	0	0	0		
Particles >71µm		ASTM D7647 ASTM D7647		0	0	0		
Oil Cleanliness		ISO 4406 (c)	>4 >20/18/15	0 15/13/10	16/13/11	17/15/11		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2		
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.015	0.014	0.014		

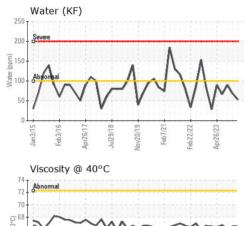
Contact/Location: JOHN BRADFORD - TYSRUSTVDC Page 1 of 2

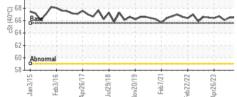


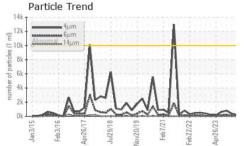
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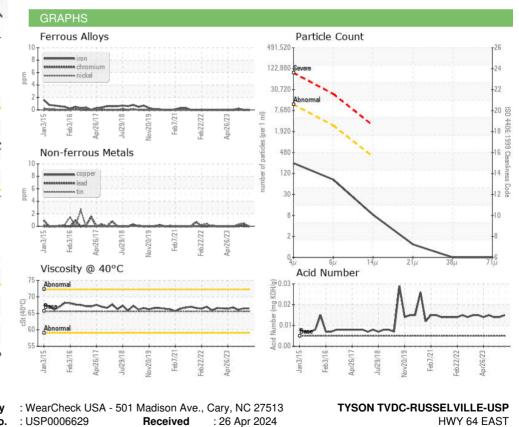








VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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 PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	65.6	66.5	66.5	66.1
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color						•
Bottom						



: 30 Apr 2024

: 30 Apr 2024 - Jonathan Hester



Laboratory Sample No. Lab Number : 06161552 Unique Number : 10996975 Test Package : IND 2 Certificate 12367

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.

T: (479)968-5110 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (479)964-8190

Tested

Diagnosed

Report Id: TYSRUSTVDC [WUSCAR] 06161552 (Generated: 05/04/2024 05:40:46) Rev: 1

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US 72801

RUSSELLVILLE, AR

Contact: JOHN BRADFORD