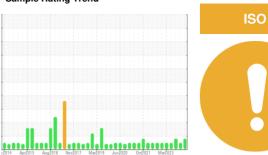


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

FRICK TYSCUM2-4 FRK (S/N TDSH233XL0124FL)

Refrigeration Compressor

USPI ALT-68 SC (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

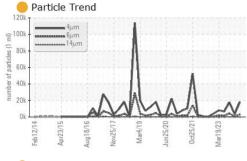
Fluid Condition

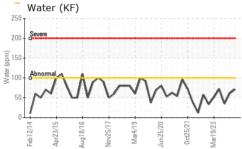
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

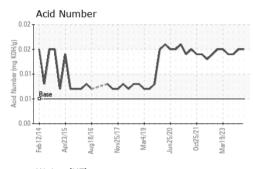
22914 Apr2015 Nov2016 Nov2017 Mer2018 Jun2020 Oct2021 Mer2023									
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		USP0012425	USP0006895	USP0002708			
Sample Date		Client Info		09 Jun 2024	15 Feb 2024	23 Oct 2023			
Machine Age	hrs	Client Info		0	0	0			
Oil Age	hrs	Client Info		0	0	0			
Oil Changed		Client Info		N/A	N/A	N/A			
Sample Status				ATTENTION	NORMAL	ATTENTION			
WEAR METALS		method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185m	>8	0	0	0			
Chromium	ppm	ASTM D5185m	>2	0	0	0			
Nickel	ppm	ASTM D5185m		1	0	<1			
Titanium	ppm	ASTM D5185m		0	0	0			
Silver	ppm	ASTM D5185m	>2	0	0	0			
Aluminum	ppm	ASTM D5185m	>3	0	0	0			
Lead	ppm	ASTM D5185m	>2	0	<1	0			
Copper	ppm	ASTM D5185m	>8	0	0	0			
Tin	ppm	ASTM D5185m	>4	0	<1	0			
Vanadium	ppm	ASTM D5185m		0	0	0			
Cadmium	ppm	ASTM D5185m		0	0	0			
ADDITIVES	рріп	method	limit/base	-	_	history2			
			IIIIIIVDase	current	history1	, and the second se			
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		<1	0	0			
Magnesium	ppm	ASTM D5185m		<1	<1	0			
Calcium	ppm	ASTM D5185m		1	1	0			
Phosphorus	ppm	ASTM D5185m		<1	0	<1			
Zinc	ppm	ASTM D5185m		0	0	0			
Sulfur	ppm	ASTM D5185m	50	30	27	25			
CONTAMINANTS		method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185m	>15	<1	<1	1			
Sodium	ppm	ASTM D5185m		<1	1	0			
Potassium	ppm	ASTM D5185m	>20	2	1	<1			
Water	%	ASTM D6304	>0.01	0.007	0.006	0.003			
ppm Water	ppm	ASTM D6304	>100	71	61	34.8			
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2			
Particles >4µm		ASTM D7647		18080	3309	17786			
Particles >6µm		ASTM D7647	>2500	3046	682	4270			
Particles >14µm		ASTM D7647	>320	14	28	203			
Particles >21µm		ASTM D7647	>80	1	5	35			
Particles >38µm		ASTM D7647	>20	0	0	0			
Particles >71µm		ASTM D7647	>4	0	0	0			
Oil Cleanliness		ISO 4406 (c)	>/18/15	<u>21/19/11</u>	19/17/12	21/19/15			
FLUID DEGRADA	TION	method	limit/base	current	history1	history2			
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.015	0.015	0.014			

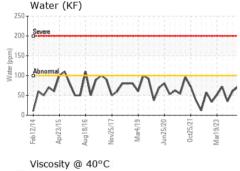


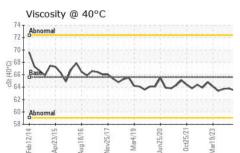
OIL ANALYSIS REPORT

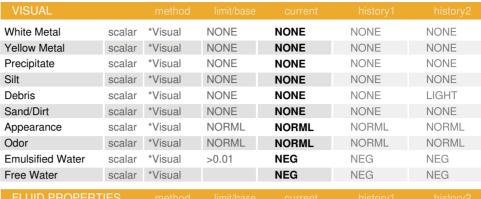












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Visc @ 40°C	cSt	ASTM D445	65.6	63.5	63.8	63.7	

SAMPLE IMAGES

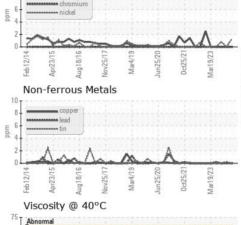
Color

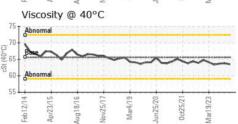
Bottom

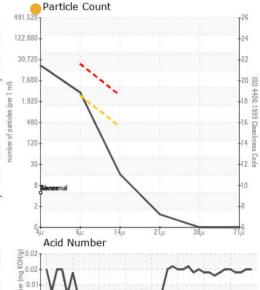




GRAPHS Ferrous Alloys











Certificate 12367

Laboratory

Sample No. Lab Number

Test Package : IND 2

: USP0012425 : 06205544 Unique Number : 11073005

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 Jun 2024 **Tested**

Diagnosed

: 14 Jun 2024

: 14 Jun 2024 - Doug Bogart

0.0

00.00 PG

CUMMING, GA US 30130 Contact: BRENT SMITH

TYSON -CUMMING-USP

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)

T: (402)423-6375

F: (402)423-6661