

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

FES FES 1 (S/N 2552821)

Refrigeration Compressor

USPI 1009-68 SC (--- QTS)

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.

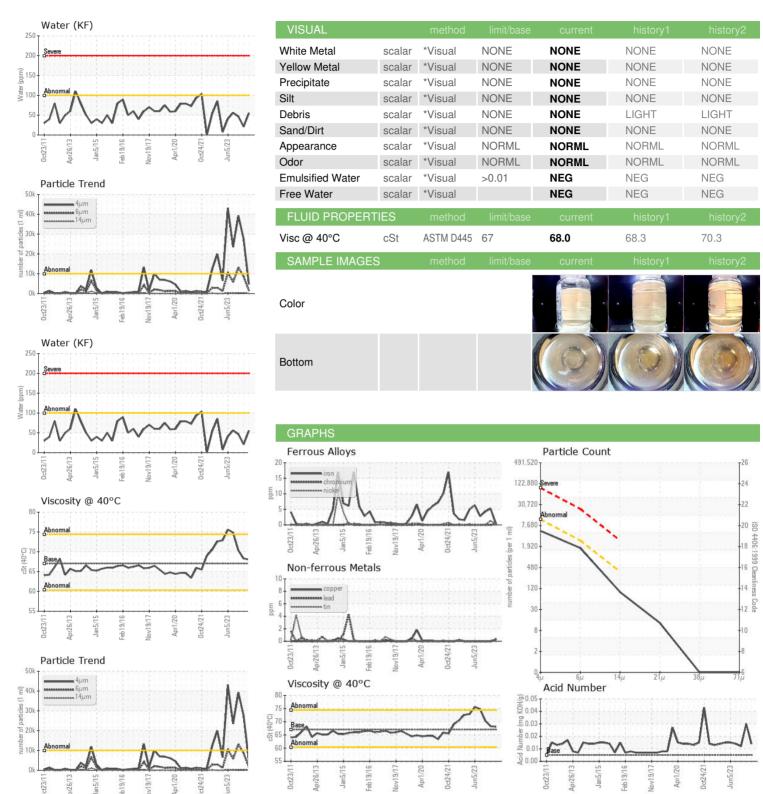
Fluid Condition

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

		#2011 Apr20	13 Jan2015 Feb2016	Nov2017 Apr2020 Oct2021 、	un2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0006462	USP0007059	USP244587
Sample Date		Client Info		23 Apr 2024	07 Feb 2024	07 Nov 2023
Machine Age	hrs	Client Info		0	103907	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	<1	5	4
Chromium	ppm	ASTM D5185m	>2	<1	0	0
Nickel	ppm	ASTM D5185m		<1	1	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>3	0	0	0
Lead	ppm	ASTM D5185m	>2	<1	0	0
Copper	ppm	ASTM D5185m	>8	<1	0	0
Tin	ppm	ASTM D5185m	>4	<1	0	0
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		0	0	0
Magnesium	ppm	ASTM D5185m		<1	0	0
Calcium	ppm	ASTM D5185m		0	<1	0
Phosphorus	ppm	ASTM D5185m		0	0	0
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m	50	0	10	10
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	0
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>0.01	0.005	0.002	0.004
ppm Water	ppm	ASTM D6304	>100	55	21	46.3
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>10000	4725	<u>27481</u>	△ 39260
Particles >6µm		ASTM D7647	>2500	1526	<u>▲</u> 8529	<u>▲</u> 13157
Particles >14µm		ASTM D7647	>320	84	381	▲ 420
Particles >21µm		ASTM D7647	>80	11	49	45
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71μm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	19/18/14	<u>22/20/16</u>	<u>22/21/16</u>
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.014	0.03	0.012



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Certificate 12367

Laboratory Sample No.

Lab Number

: 06159193

Unique Number : 10994616 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USP0006462 Received : 24 Apr 2024 **Tested** : 25 Apr 2024

Diagnosed : 26 Apr 2024 - Jonathan Hester

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.

brian.wilbourn@tyson.com T: (214)331-3264 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: TYSDAL [WUSCAR] 06159193 (Generated: 04/26/2024 09:16:04) Rev: 1

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