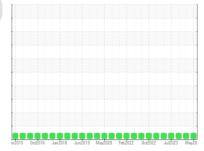


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

GF-1 TURBINE LUBE

Component Reservoir Turbine

SHELL TURBO T ISO 32 (--- 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 component. The amount and size of particulates present in the system is acceptable.

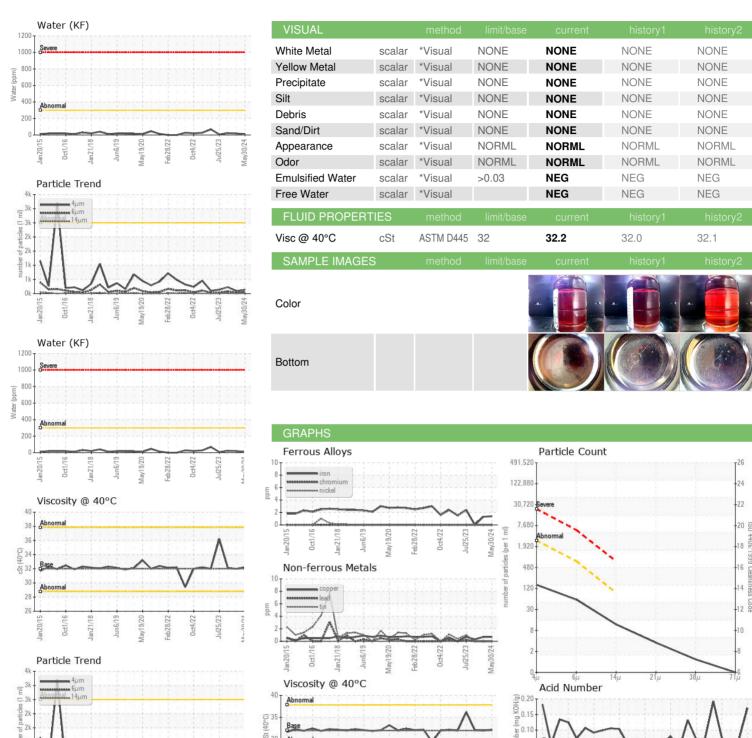
Fluid Condition

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

		in2015 Oct20	16 Jan2018 Jun2019 I	May2020 Feb2022 Oct2022 Juli	2023 May20.	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0012879	USP0007075	USP255342
Sample Date		Client Info		30 May 2024	13 Feb 2024	09 Nov 2023
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	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	>15	1	1	0
Chromium	ppm	ASTM D5185m	>4	0	0	0
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	0
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m	>5	<1	<1	<1
Tin	ppm	ASTM D5185m	>5	0	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	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		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		2	0	0
Calcium	ppm	ASTM D5185m		2	3	0
Phosphorus	ppm	ASTM D5185m		8	9	7
Zinc	ppm	ASTM D5185m		8	0	0
Sulfur	ppm	ASTM D5185m		185	170	133
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	2	1
Sodium	ppm	ASTM D5185m		2	2	1
Potassium	ppm	ASTM D5185m	>20	2	0	<1
Water	%	ASTM D6304	>0.03	0.001	0.002	0.002
ppm Water	ppm	ASTM D6304	>300	9	19	22.2
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	136	87	227
Particles >6µm		ASTM D7647	>640	51	24	81
Particles >14µm		ASTM D7647	>80	10	3	14
Particles >21µm		ASTM D7647	>20	3	1	4
Particles >38µm		ASTM D7647	>4	1	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	14/13/10	14/12/9	15/14/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	.05	0.171	0.07	0.04



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: 06196712 Unique Number : 11058835 Test Package : IND 2

£ 30

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USP0012879 Received : 31 May 2024

Tested : 03 Jun 2024 Diagnosed : 03 Jun 2024 - Doug Bogart

00.00 PG

1280 W NORTH ST DOVER, DE US 19904

T: (302)678-4353

Contact: ERNIE JUST ernie.just@clearwayenergy.com

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)

ENERGY CENTER DOVER LLC - DCODOV

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