

PROBLEM SUMMARY

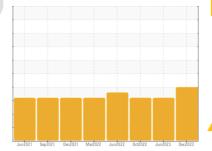
Sample Rating Trend

WATER

Jackson County 2 Plant/Cryogenic/Compressor C-2161 (S/N 10241D20819396)

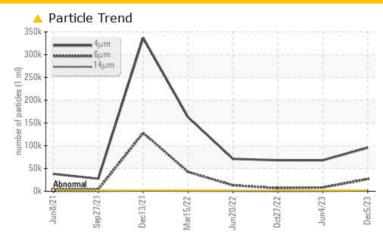
Refrigeration Compressor

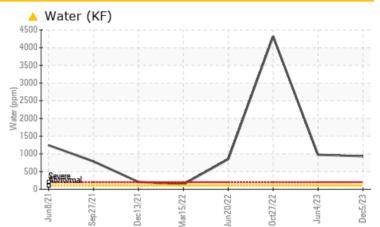
SUMMIT PGS-100 (250 GAL)





COMPONENT CONDITION SUMMARY





RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL	
Water	%	ASTM D6304	>0.01	△ 0.093	△ 0.097	△ 0.432	
ppm Water	ppm	ASTM D6304	>100	932	△ 973.6	▲ 4320	
Particles >4µm		ASTM D7647	>2500	95594	△ 68095	<u>▲</u> 68155	
Particles >6µm		ASTM D7647	>320	26742	<u>▲</u> 8341	△ 6769	
Particles >14µm		ASTM D7647	>80	<u> </u>	1 43	<u>▲</u> 122	
Particles >21µm		ASTM D7647	>20	366	15	17	
Particles >38µm		ASTM D7647	>4	<u> </u>	1	1	
Oil Cleanliness		ISO 4406 (c)	>18/15/13	24/22/18	23/20/14	23/20/14	

Customer Id: ETCJCTY Sample No.: TO90002480 Lab Number: 06026537 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 ihester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter			?	We recommend you service the filters on this component.

HISTORICAL DIAGNOSIS

04 Jun 2023 Diag: Jonathan Hester

WATER



We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. There is a light concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



27 Oct 2022 Diag: Don Baldridge

WAIER



We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. There is a moderate concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



20 Jun 2022 Diag: Don Baldridge

WATER



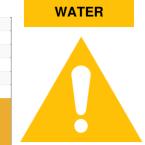
We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. There is a light concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend



Jackson County 2 Plant/Cryogenic/Compressor C-2161 (S/N 10241D20819396)

Refrigeration Compressor

SUMMIT PGS-100 (250 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil. There is a light concentration of water present in the oil.

Fluid Condition

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

		Jun2021 S	ep2021 Dec2021 Mar20	22 Jun2022 Oct2022 Jun2023	Dec2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90002480	TO90002483	TO90002066
Sample Date		Client Info		05 Dec 2023	04 Jun 2023	27 Oct 2022
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				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	3	4	5
Chromium	ppm	ASTM D5185m	>2	0	0	0
Nickel	ppm	ASTM D5185m		<1	0	2
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>3	<1	<1	<1
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	<1	<1	2
Tin	ppm	ASTM D5185m	>4	1	1	2
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	PP	method	limit/base	current	history1	history2
	12 12 122	ASTM D5185m	2		0	<1
Boron	ppm			0		
Barium	ppm	ASTM D5185m	0	0	0	<1
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	0	0	<1	<1
Calcium	ppm	ASTM D5185m	0	0	11	11
Phosphorus	ppm	ASTM D5185m	0	38	18	19
Zinc	ppm	ASTM D5185m	0	75	63	58
Sulfur	ppm	ASTM D5185m	5	0	0	17
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	7	3	4
Sodium	ppm	ASTM D5185m		10	4	6
Potassium	ppm	ASTM D5185m	>20	0	3	1
Water	%	ASTM D6304	>0.01	△ 0.093	△ 0.097	△ 0.432
ppm Water	ppm	ASTM D6304	>100	△ 932	△ 973.6	▲ 4320
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	<u>\$\text{\$\text{\$}}\$ 95594</u>	<u>▲</u> 68095	<u>▲</u> 68155
Particles >6µm		ASTM D7647	>320	<u>^</u> 26742	<u>\$341</u>	<u></u> 6769
Particles >14µm		ASTM D7647	>80	<u> </u>	<u>▲</u> 143	<u>▲</u> 122
Particles >21µm		ASTM D7647	>20	^ 366	15	17
Particles >38µm		ASTM D7647	>4	1 6	1	1
Particles >71µm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	>18/15/13	<u>4</u> 24/22/18	△ 23/20/14	△ 23/20/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.1	0.034	0.125	0.046



OIL ANALYSIS REPORT

