



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

THODELMATIOT	LOTINE	.00210				
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Water	%	ASTM D6304	>0.01	A 0.058	0.072	0.083
ppm Water	ppm	ASTM D6304	>100	<u> </u>	▲ 722.2	▲ 839.0
Particles >4µm		ASTM D7647	>2500	<u> </u>	<u> </u>	12296
Particles >6µm		ASTM D7647	>320	🔺 5659	4203	🔺 2316
Particles >14µm		ASTM D7647	>80	A 313	2 33	9 7
Particles >21µm		ASTM D7647	>20	A 74	5 5	23
Oil Cleanliness		ISO 4406 (c)	>18/15/13	<u> </u>	<u> </u>	a 21/18/14

Customer Id: ETCJCTY Sample No.: TO90002477 Lab Number: 06026526 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 jhester@wearcheckusa.com

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

)ec5/23

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

HISTORICAL DIAGNOSIS

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.



view report

13 Dec 2021 Diag: Angela Borella

20 Jun 2022 Diag: Don Baldridge



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27 Sep 2021 Diag: Don Baldridge

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OIL ANALYSIS REPORT

Sample Number

hrs

hrs

Client Info

Sample Date

Machine Age

Oil Age

Jackson County 1 Plant/Cryogenic/Compressor C-1163 (S/N 10241N10655623) Component

Refrigeration Compressor Fluid SUMMIT PGS-100 (250 GAL)

DIAGNOSIS

Recommendation

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

Wear

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.



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	5	6	5
Chromium	ppm	ASTM D5185m	>2	0	0	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>3	<1	<1	0
Lead	ppm	ASTM D5185m	>2	0	0	<1
Copper	ppm	ASTM D5185m	>8	<1	0	<1
Tin	ppm	ASTM D5185m	>4	2	2	1
Antimony	ppm	ASTM D5185m				6
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

0

method	limit/base	current	history1	history2
ASTM D5185m	2	0	3	2
ASTM D5185m	0	0	0	0
ASTM D5185m	0	0	0	0
ASTM D5185m	0	0	<1	<1
ASTM D5185m	0	0	0	0
ASTM D5185m	0	<1	9	9
ASTM D5185m	0	154	7	13
ASTM D5185m	0	46	47	26
ASTM D5185m	5	0	13	0
	Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	method limit/base ASTM D5185m 2 ASTM D5185m 0 ASTM D5185m 5	method limit/base current ASTM D5185m 2 0 ASTM D5185m 0 <1 ASTM D5185m 0 154 ASTM D5185m 0 46 ASTM D5185m 5 0	method limit/base current history1 ASTM D5185m 2 0 3 ASTM D5185m 0 0 0 0 ASTM D5185m 0 0 0 0 0 ASTM D5185m 0 0 0 0 4 ASTM D5185m 0 0 0 <1 9 ASTM D5185m 0 <1 9 4 ASTM D5185m 0 154 7 4 ASTM D5185m 0 46 47 4

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	3	2
Sodium	ppm	ASTM D5185m		6	5	13
Potassium	ppm	ASTM D5185m	>20	0	0	<1
Water	%	ASTM D6304	>0.01	<u> </u>	▲ 0.072	0.083
ppm Water	maa	ASTM D6304	>100	581	▲ 722.2	▲ 839.0

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	4 25044	2 2170	▲ 12296
Particles >6µm	ASTM D7647	>320	🔺 5659	<u> </u>	A 2316
Particles >14µm	ASTM D7647	>80	A 313	<u> </u>	9 7
Particles >21µm	ASTM D7647	>20	<u> </u>	<u> </u>	23
Particles >38µm	ASTM D7647	>4	3	5	<u> </u>
Particles >71µm	ASTM D7647	>3	0	1	4
Oil Cleanliness	ISO 4406 (c)	>18/15/13	A 22/20/15	2 2/19/15	2 1/18/14

limit/base

FLUID DEGRADATION Acid Number (AN)

mg KOH/g ASTM D974 0.1

method

0.052 0.072

current

Submitted By: ERIC THORNTON

history1

history2

0.028



OIL ANALYSIS REPORT



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	100	93.0	98.3	92.8
Visc @ 100°C	cSt	ASTM D445	19.4	17.3	17.6	16.5
Viscosity Index (VI)	Scale	ASTM D2270	218	203	197	192
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
						100
Color				a		



Bottom



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Page 4 of 4

Certificate L2367

PQ.

Submitted By: ERIC THORNTON