

PROBLEM SUMMARY

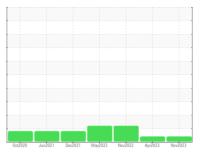
Sample Rating Trend

VIS DEBRIS

Marcus Hook/Cryogenic/Compressor **CRYOGENIC COMPRESSOR 40-C-102E**

Rotary Compressor

FRICK COMPRESSOR OIL #12B (825 GAL)



COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL	
Debris	scalar	*Visual	NONE	▲ MODER	▲ MODER	NONE	

Customer Id: ETCMHOOK Sample No.: TO60001818 Lab Number: 05999945 Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldridge +1 don.b505@comcast.net

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 if applicable.
Alert			?	We were unable to perform a particle count due to a high concentration of particles present in this sample.

HISTORICAL DIAGNOSIS

25 Apr 2023 Diag: Don Baldridge

VIS DEBRIS



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



02 Nov 2022 Diag: Don Baldridge

ISO



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

03 May 2022 Diag: Don Baldridge

ISO



No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) 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

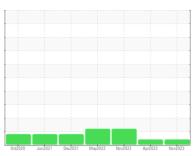
Sample Rating Trend



Marcus Hook/Cryogenic/Compressor **CRYOGENIC COMPRESSOR 40-C-102E**

Rotary Compressor

FRICK COMPRESSOR OIL #12B (825 GAL)





DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

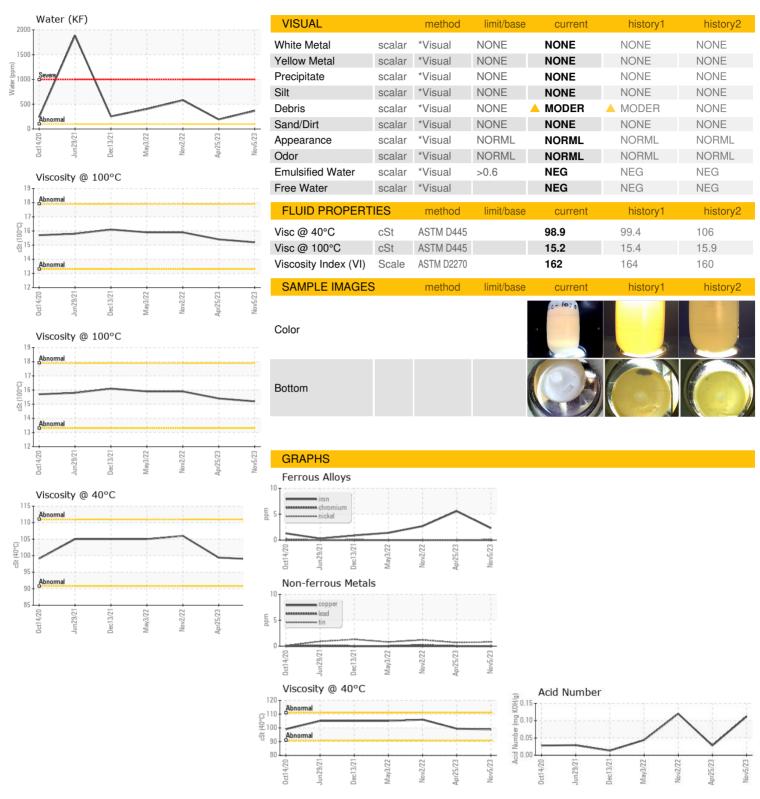
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60001818	TO90003054	TO90002750
Sample Date		Client Info		05 Nov 2023	25 Apr 2023	02 Nov 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	>70	2	6	3
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>3	0	0	0
Lead	ppm	ASTM D5185m	>4	0	0	<1
Copper	ppm	ASTM D5185m	>20	0	0	0
Tin	ppm	ASTM D5185m	>3	<1	<1	1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	<1	0
Calcium	ppm	ASTM D5185m		7	8	0
Phosphorus	ppm	ASTM D5185m		17	10	29
Zinc	ppm	ASTM D5185m		0	4	0
Sulfur	ppm	ASTM D5185m		0	20	0
CONTAMINANTS)	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>45	5	6	7
Sodium	ppm	ASTM D5185m		1	3	3
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
Water	%	ASTM D6304	>0.6	0.036	0.019	0.058
ppm Water	ppm	ASTM D6304		365.4	192.0	580
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500			▲ 8015
Particles >6µm		ASTM D7647	>320			▲ 1303
Particles >14μm		ASTM D7647	>80			44
Particles >21µm		ASTM D7647	>20			7
Particles >38μm		ASTM D7647	>4			0
Particles >71μm		ASTM D7647	>3			0
Oil Cleanliness		ISO 4406 (c)	>18/15/13			2 0/18/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.112	0.028	0.12



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: 05999945 : 10728305

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 06 Nov 2023 : TO60001818 Received Diagnosed : 08 Nov 2023

Diagnostician : Don Baldridge Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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 TRANSFER - MARCUS HOOK

2ND & GREEN STREETS MARCUS HOOK, PA

US 19061

Contact: CHRISTOPHER HOFFA christopher.hoffa@energytransfer.com

T:

F: