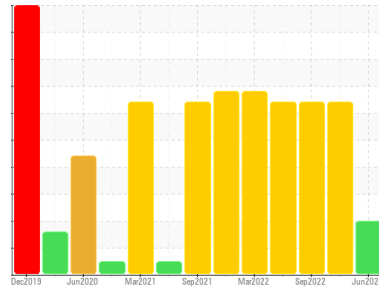




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
RCHS_U2120 RCHS_U2120_SS2120
 Component
Main Bulk Fluid Tank
 Fluid
ROYAL PURPLE BARRIER FLUID FDA22 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Free water present. 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 INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	RP0043870	RP0024022	RP0025173
Sample Date	Client Info	27 Jun 2024	20 Dec 2022	27 Sep 2022
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	SEVERE	SEVERE

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	0	0	0
Chromium	ppm	ASTM D5185m	0	0	0
Nickel	ppm	ASTM D5185m	0	0	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m	0	0	0
Lead	ppm	ASTM D5185m	0	0	0
Copper	ppm	ASTM D5185m	0	0	0
Tin	ppm	ASTM D5185m	0	0	0
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	0
Barium	ppm	ASTM D5185m	0	1	0
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	0	0	0
Magnesium	ppm	ASTM D5185m	0	0	0
Calcium	ppm	ASTM D5185m	0	0	0
Phosphorus	ppm	ASTM D5185m	0	5	0
Zinc	ppm	ASTM D5185m	0	<1	0

CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	10	4	16	
Sodium	ppm	ASTM D5185m	2	0	<1	
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
Water	%	ASTM D6304	0.024	▲ 0.223	▲ 0.132	
ppm Water	ppm	ASTM D6304	239	▲ 2230	▲ 1320	

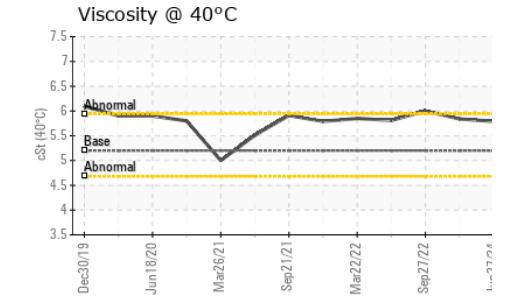
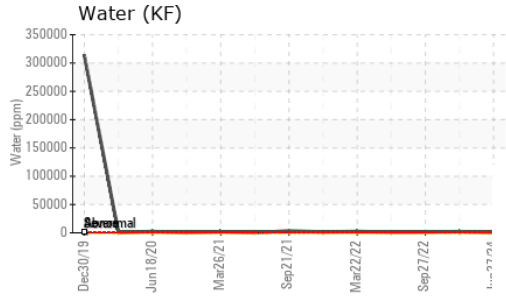
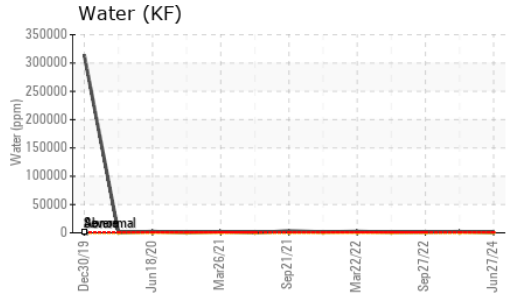
FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.041	0.046	0.044

VISUAL

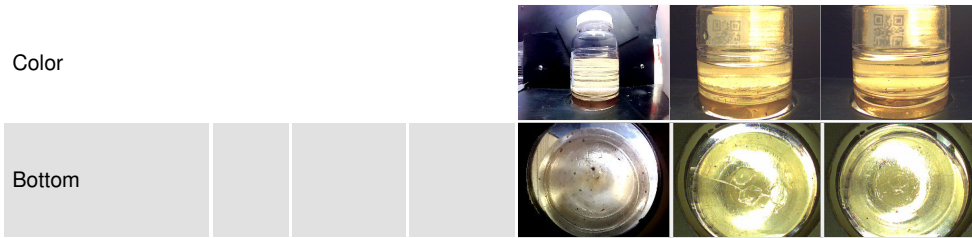
method	limit/base	current	history1	history2		
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual		NEG	▲ 0.2%	▲ 0.2%
Free Water	scalar	*Visual		▲ 2.0	▲ 10%	▲ 10%

OIL ANALYSIS REPORT

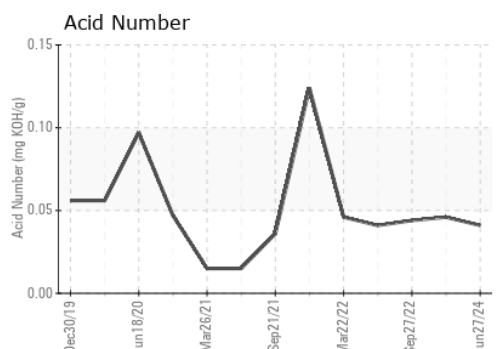
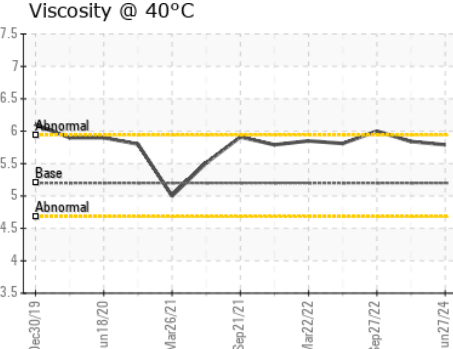
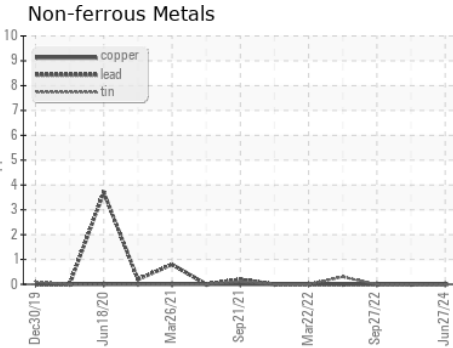
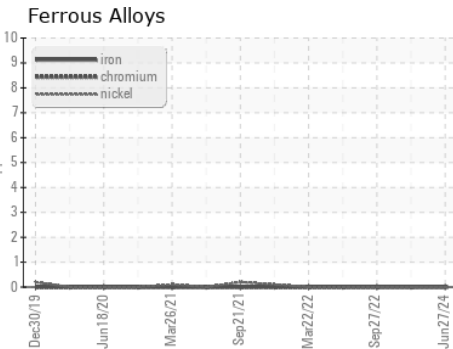


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	5.2	5.79	5.84	6.00

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0043870
Lab Number : 06236684
Unique Number : 11125518
Test Package : IND 2
Received : 15 Jul 2024
Tested : 19 Jul 2024
Diagnosed : 19 Jul 2024 - Jonathan Hester

ENERGY TRANSFER - ROCHESTER
 1406 EAST AVON ROAD
 ROCHESTER, MI
 US 48307
 Contact: SCOTT VERHELLE

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)

T: (313)580-0267

F: