

# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# RCHS\_U2120 RCHS\_U2120\_SS2120

Non-Drive End Seal Pot

**ROYAL PURPLE BARRIER FLUID FDA22 (-**

### **DIAGNOSIS**

### Recommendation

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

All component wear rates are normal.

### Contamination

Free water present.

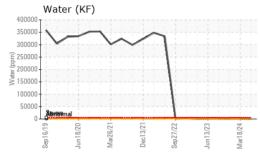
### **Fluid Condition**

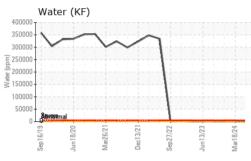
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

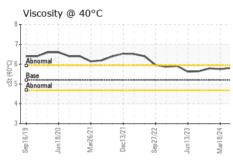
- GAL)						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0043868	RP0029027	RP0025842
Sample Date		Client Info		27 Jun 2024	18 Mar 2024	26 Dec 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>20	0	0	0
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
- Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	0
.ead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	0	0	0
īn	ppm	ASTM D5185m	>20	0	0	0
/anadium	ppm	ASTM D5185m		0	<1	<1
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
Nolybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
/lagnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		0	0	0
Zinc	10 10 100	ASTM D5185m		0	0	0
	ppm	AOTIVI DOTOSIII			· ·	
CONTAMINANTS		method	limit/base	current	history1	history2
CONTAMINANTS			limit/base >15	current 3		
CONTAMINANTS Silicon	;	method			history1	history2
CONTAMINANTS Silicon Sodium	ppm	method ASTM D5185m		3	history1	history2
CONTAMINANTS Silicon Sodium Potassium	ppm ppm	method ASTM D5185m ASTM D5185m	>15	3 2	history1 1 2	history2 1 0
CONTAMINANTS Silicon Sodium Potassium Vater	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	>15	3 2 <1	history1  1 2 <1	history2 1 0 0
	ppm ppm ppm %	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304	>15 >20 >0.05	3 2 <1 0.023	history1  1 2 <1  0.061	history2  1 0 0  0
CONTAMINANTS Silicon Sodium Potassium Vater opm Water FLUID DEGRADA	ppm ppm ppm %	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304	>15 >20 >0.05 >500	3 2 <1 0.023 225	history1  1 2 <1  0.061  610	history2  1 0 0 0  • 0.052 • 520
CONTAMINANTS Silicon Sodium Potassium Vater opm Water FLUID DEGRADA	ppm ppm ppm ppm % ppm	method  ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method	>15 >20 >0.05 >500	3 2 <1 0.023 225 current	history1  1 2 <1 ▲ 0.061 ▲ 610 history1	history2  1 0 0  0  ▲ 0.052  ★ 520  history2
CONTAMINANTS Silicon Sodium Potassium Water opm Water FLUID DEGRADA Acid Number (AN)	ppm ppm ppm ppm % ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D8045	>15 >20 >0.05 >500 limit/base NONE	3 2 <1 0.023 225 current 0.014 current NONE	history1  1 2 <1 ▲ 0.061 ▲ 610 history1 0.046 history1 NONE	history2  1 0 0 0  ▲ 0.052 ▲ 520 history2 0.047 history2 NONE
CONTAMINANTS Silicon Sodium Potassium Vater Ipm Water FLUID DEGRADA Acid Number (AN) VISUAL White Metal	ppm ppm ppm % ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 Method ASTM D8045 method	>15 >20 >0.05 >500 limit/base	3 2 <1 0.023 225 current 0.014	history1  1 2 <1 ▲ 0.061 ▲ 610 history1  0.046 history1	history2  1 0 0  0  ▲ 0.052  ▲ 520  history2  0.047
CONTAMINANTS Silicon Sodium Potassium Vater Spm Water FLUID DEGRADA Acid Number (AN) VISUAL White Metal Vellow Metal	ppm ppm ppm % ppm <b>XTION</b> mg KOH/g	method ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 method ASTM D8045 method *Visual	>15 >20 >0.05 >500 limit/base NONE	3 2 <1 0.023 225 current 0.014 current NONE	history1  1 2 <1 ▲ 0.061 ▲ 610 history1 0.046 history1 NONE	history2  1 0 0 0  ▲ 0.052 ▲ 520 history2 0.047 history2 NONE
CONTAMINANTS Silicon Sodium Potassium Vater opm Water FLUID DEGRADA Acid Number (AN) VISUAL White Metal Yellow Metal Precipitate	ppm ppm % ppm % ppm % ppm % scalar scalar	method  ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 Method ASTM D8045 Method  *Visual	>15 >20 >0.05 >500 limit/base NONE NONE	3 2 <1 0.023 225 current 0.014 current NONE	history1  1 2 <1 ▲ 0.061 ▲ 610 history1  0.046 history1  NONE	history2  1 0 0 0  ▲ 0.052 ▲ 520 history2 0.047 history2 NONE NONE
CONTAMINANTS Silicon Sodium Potassium Vater IPPI DEGRADA Acid Number (AN) VISUAL Vhite Metal Vellow Metal Precipitate Silt	ppm ppm ppm % ppm % ppm KTION mg KOH/g scalar scalar	method ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 Method ASTM D8045 Method *Visual *Visual *Visual	>15 >20 >0.05 >500 limit/base NONE NONE NONE	3 2 <1 0.023 225 current 0.014 current NONE NONE	history1  1 2 <1 △ 0.061 △ 610 history1 0.046 history1 NONE NONE NONE	history2  1 0 0 0  \$\lefta\$ 0.052 \$\lefta\$ 520  history2  0.047  history2  NONE  NONE  NONE
CONTAMINANTS Silicon Sodium Potassium Vater Spm Water FLUID DEGRADA Acid Number (AN) VISUAL White Metal Vellow Metal Precipitate Silt Debris	ppm ppm % ppm % ppm % ppm strion mg KOH/g scalar scalar scalar scalar	method  ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304  Method  ASTM D8045  Method  *Visual  *Visual  *Visual	>15 >20 >0.05 >500 limit/base NONE NONE NONE	3 2 <1 0.023 225 current 0.014 current NONE NONE NONE NONE	history1  1 2 <1 ▲ 0.061 ▲ 610 history1 0.046 history1 NONE NONE NONE NONE	history2  1 0 0 0 **No.052** \$\times 520**  history2 0.047  history2  NONE  NONE  NONE  NONE
CONTAMINANTS Silicon Sodium Potassium Water Opm Water FLUID DEGRADA Acid Number (AN) VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm % ppm % ppm scalar scalar scalar scalar scalar	method ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 method ASTM D8045 method *Visual *Visual *Visual *Visual *Visual *Visual	>15  >20  >0.05  >500  limit/base  NONE  NONE  NONE  NONE  NONE  NONE	3 2 <1 0.023 225 current 0.014 current NONE NONE NONE NONE NONE NONE	history1  1 2 <1 ▲ 0.061 ▲ 610 history1 0.046 history1 NONE NONE NONE NONE LIGHT	history2  1 0 0 0 kincolory2 bistory2 0.047 bistory2 NONE NONE NONE NONE NONE NONE
CONTAMINANTS Silicon Sodium Potassium Water opm Water FLUID DEGRADA Acid Number (AN) VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm % ppm % ppm % scalar scalar scalar scalar scalar scalar	method  ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304  method  ASTM D8045  method  *Visual  *Visual  *Visual  *Visual  *Visual  *Visual  *Visual  *Visual	>15  >20  >0.05  >500  limit/base  NONE  NONE  NONE  NONE  NONE  NONE  NONE  NONE	3 2 <1 0.023 225 current 0.014 current NONE NONE NONE NONE NONE NONE NONE NON	history1  1 2 <1	history2  1 0 0 0 **SEED TO THE TO TH
CONTAMINANTS Silicon Sodium Potassium Water opm Water FLUID DEGRADA Acid Number (AN)	ppm ppm % ppm % ppm % ppm scalar scalar scalar scalar scalar scalar	method  ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304  method  *Visual	>15  >20 >0.05 >500  limit/base  NONE NONE NONE NONE NONE NONE NONE NO	3 2 <1 0.023 225 current 0.014 current NONE NONE NONE NONE NONE NONE NONE NON	history1  1 2 <1	history2  1 0 0 0 kistory2 520 history2 0.047 history2 NONE NONE NONE NONE NONE NONE NONE NON



## **OIL ANALYSIS REPORT**

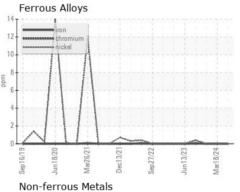


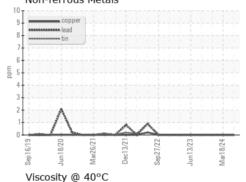


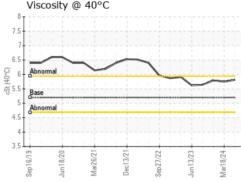


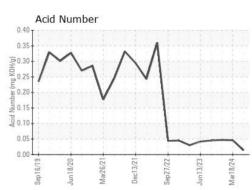


### **GRAPHS**













Laboratory

Sample No. Unique Number : 11125517

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : RP0043868 Lab Number : 06236683

Received **Tested** 

: 15 Jul 2024 : 19 Jul 2024 Diagnosed

: 19 Jul 2024 - Jonathan Hester

1406 EAST AVON ROAD ROCHESTER, MI US 48307

**ENERGY TRANSFER - ROCHESTER** 

Contact: SCOTT VERHELLE

Submitted By: NATHAN HOLMES

Test Package : IND 2 ( Additional Tests: PrtCount ) Certificate 12367 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: