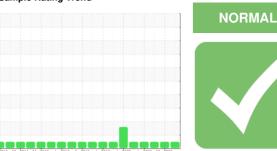


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# **SULLAIR CMP 1010 - RJR (S/N 003-138999)**

Compressor

PG-32 (35 GAL)

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

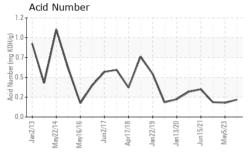
### **Fluid Condition**

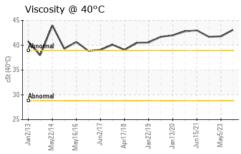
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION         method         limit/base         current         history1         history2           Sample Number         Client Info         WC0911581         WC0736185         WC0652736           Sample Date         Client Info         05 Apr 2024         15 Mar 2022         72306           Machine Age         hrs         Client Info         824         1900         300           Oil Age         hrs         Client Info         Not Changd         Not Changd         Not Changd         Not Changd           Sample Status         NORMAL         NORMAL         NORMAL         NORMAL         NORMAL           CONTAMINATION         method         limit/base         current         history1         history2           Water         WC Method         >0.1         NEG         NEG         NEG           WEAR METALS         method         limit/base         current         history1         history2           Iron         pm         ASTM D5185m         >50         0         0         <1           Chromium         ppm         ASTM D5185m         >50         0         0         <1           Iron         pm         ASTM D5185m         0         0         0         <1							
Sample Date	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age         hrs         Client Info         77407         73902         72306           Oil Age         hrs         Client Info         824         1900         300           Oil Changed         Client Info         Not Changd         Not Changd         Not Changd           Sample Status         NORMAL         NORMAL         NORMAL         NORMAL           CONTAMINATION         method         limit/base         current         history1         history2           Water         WC Method         >0.1         NEG         NEG         NEG           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >50         0         0         <1	Sample Number		Client Info		WC0911581	WC0736185	WC0652736
Oil Age	Sample Date		Client Info		05 Apr 2024	05 May 2023	15 Mar 2022
Oil Changed Sample Status         Client Info         Not Changd NORMAL         Not Changd NoRMAN         Not Changd NoRMAN	Machine Age	hrs	Client Info		77407	73902	72306
NORMAL   NORMAL   NORMAL   NORMAL	Oil Age	hrs	Client Info		824	1900	300
CONTAMINATION         method         limit/base         current         history1         history2           Water         WC Method         >0.1         NEG         NEG         NEG           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >50         0         0         <1	Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Water         WC Method         >0.1         NEG         NEG         NEG           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >50         0         0         <1           Chromium         ppm         ASTM D5185m         >10         0         0         0           Nickel         ppm         ASTM D5185m         0         0         0         0           Silver         ppm         ASTM D5185m         0         0         0         0           Aluminum         ppm         ASTM D5185m         >25         0         0         <1           Lead         ppm         ASTM D5185m         >25         0         0         <1         <1           Lead         ppm         ASTM D5185m         >50         0         <1         <1         <1           Aluminum         ppm         ASTM D5185m         >50         0         <1         <1         <1           Lead         ppm         ASTM D5185m         >15         <1         0         <0         <1           Astm D5185m         >15         <1 <th< td=""><td>Sample Status</td><td></td><td></td><td></td><th>NORMAL</th><td>NORMAL</td><td>NORMAL</td></th<>	Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >50         0         0         <1           Chromium         ppm         ASTM D5185m         >10         0         0         0           Nickel         ppm         ASTM D5185m         0         0         0         0           Silver         ppm         ASTM D5185m         >25         0         0         <1         0           Aluminum         ppm         ASTM D5185m         >25         0         0         <1         <1         0         0         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1	CONTAMINATIO	N	method	limit/base	current	history1	history2
Iron	Water		WC Method	>0.1	NEG	NEG	NEG
Chromium         ppm         ASTM D5185m         >10         0         0         0           Nickel         ppm         ASTM D5185m         0         <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>50	0	0	<1
Titanium	Chromium	ppm	ASTM D5185m	>10	0	0	0
Silver         ppm         ASTM D5185m         0         0         <1           Aluminum         ppm         ASTM D5185m         >25         0         0         <1	Nickel	ppm	ASTM D5185m		0	<1	0
Aluminum         ppm         ASTM D5185m         >25         0         0         <1           Lead         ppm         ASTM D5185m         >25         0         0         0           Copper         ppm         ASTM D5185m         >50         0         <1	Titanium	ppm	ASTM D5185m		0	0	0
Lead         ppm         ASTM D5185m         >25         0         0         0           Copper         ppm         ASTM D5185m         >50         0         <1         <1           Tin         ppm         ASTM D5185m         >15         <1         0         0           Antimony         ppm         ASTM D5185m         0         0         0         0           Vanadium         ppm         ASTM D5185m         0         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         <1         0           Barium         ppm         ASTM D5185m         0         0         <1         0           Barium         ppm         ASTM D5185m         0         0         0         0           Manganese         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         0         1         0	Silver	ppm	ASTM D5185m		0	0	<1
Copper         ppm         ASTM D5185m         >50         0         <1         <1           Tin         ppm         ASTM D5185m         >15         <1	Aluminum	ppm	ASTM D5185m	>25	0	0	<1
Tin         ppm         ASTM D5185m         >15         <1         0         0           Antimony         ppm         ASTM D5185m              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         0           Barium         ppm         ASTM D5185m         0         0         <1         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0           Manganese         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         0         <1         0           Calcium         ppm         ASTM D5185m         0         <1         0           Phosphorus         ppm         ASTM D5185m         0         2         0           Sulfur         ppm         ASTM D5185m	Lead	ppm	ASTM D5185m	>25	0	0	0
Antimony         ppm         ASTM D5185m   0         0         0         0         0         0         0         0         4         4         96         489         477         Molybelouble         Molybelouble         496         489         477         4         0         0         0 </td <td>Copper</td> <td>ppm</td> <td>ASTM D5185m</td> <td>&gt;50</td> <th>0</th> <td>&lt;1</td> <td>&lt;1</td>	Copper	ppm	ASTM D5185m	>50	0	<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         496         489         477           Molybdenum         ppm         ASTM D5185m         0         0         0           Magnesium         ppm         ASTM D5185m         0         0         0           Magnesium         ppm         ASTM D5185m         0         <1         0           Calcium         ppm         ASTM D5185m         0         <1         0           Phosphorus         ppm         ASTM D5185m         0         2         0           Sulfur         ppm         ASTM D5185m         0         2         0           Sulfur         ppm         ASTM D5185m         627         614         642           CONTAMINANTS         method         limit/base         current         history1         history2	Tin	ppm	ASTM D5185m	>15	<1	0	0
Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         <1	Antimony	ppm	ASTM D5185m				
ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         <1	Vanadium	ppm	ASTM D5185m		0	0	0
Boron         ppm         ASTM D5185m         0         0         <1           Barium         ppm         ASTM D5185m         496         489         477           Molybdenum         ppm         ASTM D5185m         0         0         0           Manganese         ppm         ASTM D5185m         0         0         0           Magnesium         ppm         ASTM D5185m         0         1         0           Calcium         ppm         ASTM D5185m         0         <1         0           Phosphorus         ppm         ASTM D5185m         0         2         0           Zinc         ppm         ASTM D5185m         0         2         0           Sulfur         ppm         ASTM D5185m         627         614         642           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1         <1         <1           Sodium         ppm         ASTM D5185m         >20         2         3         2           FLUID DEGRADATION         method         limit/base         current         history1 <td>Cadmium</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th>0</th> <td>0</td> <td>0</td>	Cadmium	ppm	ASTM D5185m		0	0	0
Barium         ppm         ASTM D5185m         496         489         477           Molybdenum         ppm         ASTM D5185m         0         0         0           Manganese         ppm         ASTM D5185m         0         0         0           Magnesium         ppm         ASTM D5185m         0         1         0           Calcium         ppm         ASTM D5185m         0         <1         0           Phosphorus         ppm         ASTM D5185m         0         3         7           Zinc         ppm         ASTM D5185m         0         2         0           Sulfur         ppm         ASTM D5185m         627         614         642           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1         <1         <1           Sodium         ppm         ASTM D5185m         >20         2         3         2           FLUID DEGRADATION         method         limit/base         current         history1         history2	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum         ppm         ASTM D5185m         0         0         0           Manganese         ppm         ASTM D5185m         0         0         0           Magnesium         ppm         ASTM D5185m         0         1         0           Calcium         ppm         ASTM D5185m         0         <1         0           Phosphorus         ppm         ASTM D5185m         0         3         7           Zinc         ppm         ASTM D5185m         0         2         0           Sulfur         ppm         ASTM D5185m         627         614         642           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1         <1         <1           Sodium         ppm         ASTM D5185m         >20         2         3         2           FLUID DEGRADATION         method         limit/base         current         history1         history2	Boron	ppm	ASTM D5185m		0	0	<1
Manganese         ppm         ASTM D5185m         0         0         0           Magnesium         ppm         ASTM D5185m         0         1         0           Calcium         ppm         ASTM D5185m         0         <1         0           Phosphorus         ppm         ASTM D5185m         0         3         7           Zinc         ppm         ASTM D5185m         0         2         0           Sulfur         ppm         ASTM D5185m         627         614         642           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1         <1         <1           Sodium         ppm         ASTM D5185m         >20         2         3         2           FLUID DEGRADATION         method         limit/base         current         history1         history2	Barium	ppm	ASTM D5185m		496	489	477
Magnesium         ppm         ASTM D5185m         0         1         0           Calcium         ppm         ASTM D5185m         0         <1         0           Phosphorus         ppm         ASTM D5185m         0         3         7           Zinc         ppm         ASTM D5185m         0         2         0           Sulfur         ppm         ASTM D5185m         627         614         642           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1         <1         <1           Sodium         ppm         ASTM D5185m         20         2         3         2           FLUID DEGRADATION         method         limit/base         current         history1         history2	Molybdenum	ppm	ASTM D5185m		0	0	0
Calcium         ppm         ASTM D5185m         0         <1         0           Phosphorus         ppm         ASTM D5185m         0         3         7           Zinc         ppm         ASTM D5185m         0         2         0           Sulfur         ppm         ASTM D5185m         627         614         642           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1	Manganese	ppm	ASTM D5185m		0	0	0
Phosphorus         ppm         ASTM D5185m         0         3         7           Zinc         ppm         ASTM D5185m         0         2         0           Sulfur         ppm         ASTM D5185m         627         614         642           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1         <1         <1           Sodium         ppm         ASTM D5185m         62         68         59           Potassium         ppm         ASTM D5185m         >20         2         3         2           FLUID DEGRADATION         method         limit/base         current         history1         history2	Magnesium	ppm	ASTM D5185m		0	1	0
Zinc         ppm         ASTM D5185m         0         2         0           Sulfur         ppm         ASTM D5185m         627         614         642           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1         <1         <1           Sodium         ppm         ASTM D5185m         62         68         59           Potassium         ppm         ASTM D5185m         >20         2         3         2           FLUID DEGRADATION         method         limit/base         current         history1         history2	Calcium	ppm	ASTM D5185m		0	<1	0
Sulfur         ppm         ASTM D5185m         627         614         642           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1	Phosphorus	ppm	ASTM D5185m		0	3	7
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1	Zinc	ppm	ASTM D5185m		0	2	0
Silicon         ppm         ASTM D5185m         >25         <1         <1         <1           Sodium         ppm         ASTM D5185m         62         68         59           Potassium         ppm         ASTM D5185m         >20         2         3         2           FLUID DEGRADATION         method         limit/base         current         history1         history2	Sulfur	ppm	ASTM D5185m		627	614	642
Sodium         ppm         ASTM D5185m         62         68         59           Potassium         ppm         ASTM D5185m         >20         2         3         2           FLUID DEGRADATION         method         limit/base         current         history1         history2	CONTAMINANTS	6	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 <b>2</b> 3 2  FLUID DEGRADATION method limit/base current history1 history2	Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
FLUID DEGRADATION method limit/base current history1 history2	Sodium	ppm	ASTM D5185m		62	68	59
•	Potassium	ppm	ASTM D5185m	>20	2	3	2
Acid Number (AN)         mg KOH/g         ASTM D8045         0.21         0.17         0.18	FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.21	0.17	0.18



## **OIL ANALYSIS REPORT**





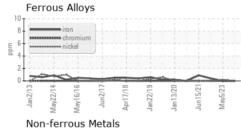
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		43.1	41.8	41.7

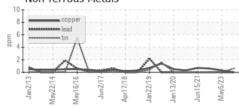
Color

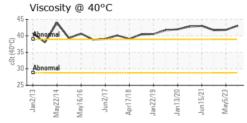
SAMPLE IMAGES

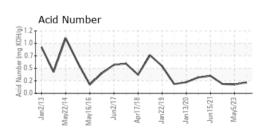
















Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0911581 Lab Number : 06141381 Unique Number : 10966189

Received : 08 Apr 2024 **Tested** : 09 Apr 2024

Diagnosed : 10 Apr 2024 - Angela Borella **FS-COMPRESSION CO, LLC** 

203 AERO COURT GREENSBORO, NC US 27409

Contact: Dallas Burcham dallas.burcham@fs-compression.com

T: (336)605-9622 F: (336)605-9844

Test Package : IND 2 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)

Report Id: AIRGREWC [WUSCAR] 06141381 (Generated: 04/10/2024 16:50:14) Rev: 1

Contact/Location: Dallas Burcham - AIRGREWC