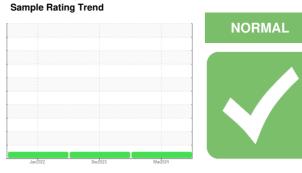


**OIL ANALYSIS REPORT** 

HC-SYN-5 SULLAIR 201808070017
Component
Compressor



## 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

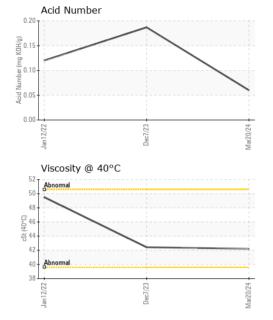
# **Fluid Condition**

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

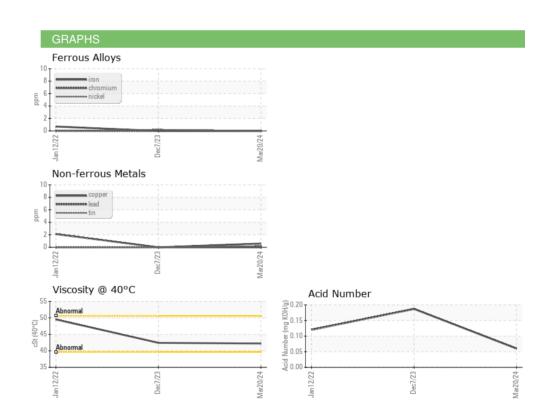
Sample Number Client Info UAC06140022 UHC0000869 UCH0545840							
Sample Date	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age         hrs         Client Info         7180         13         4368           Oil Age         hrs         Client Info         0         13         571           Oil Changed         Client Info         Changed         Changed         Normad         Normad           Sample Status         Client Info         Changed         Changed         Normad         Normad           CONTAMINATION         method         limit/base         current         history1         history2           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >50         0         0         <1           Chromium         ppm         ASTM D5185m         >10         0         0         <1           Nickel         ppm         ASTM D5185m         0         0         0         0           Silver         ppm         ASTM D5185m         >25         <1         <1         <1           Lead         ppm         ASTM D5185m         >25         <1         <1         <1           Copper         ppm         ASTM D5185m         >50         <1         0	Sample Number		Client Info		UAC06140022	UHC0000869	UCH05458400
Oil Age         hrs         Client Info         0         13         571           Oil Changed Sample Status         Client Info         Changed NORMAL	Sample Date		Client Info		20 Mar 2024	07 Dec 2023	12 Jan 2022
Oil Changed Sample Status         Client Info         Changed NORMAL         Changed NORMAL         Not Change NoRMAL         Not Change NoRMAL         Not Change NoRMAND NORMAND NORMAND NORMAND NORMAND NO	Machine Age	hrs	Client Info		7180	13	4368
NORMAL   NORMAL   NORMAL   NORMAL   CONTAMINATION   method   limit/base   current   history1   history2   history2	Oil Age	hrs	Client Info		0	13	571
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           Chromium         ppm         ASTM D5185m         >10         0         0         0           Nickel         ppm         ASTM D5185m         0         0         0         0           Silver         ppm         ASTM D5185m         0         0         0         0           Silver         ppm         ASTM D5185m         >25         <1         <1         <1           Lead         ppm         ASTM D5185m         >25         0         0         0           Copper         ppm         ASTM D5185m         >50         <1         0         2           Tin         ppm         ASTM D5185m         >50         <1         0         0           Vanadium         ppm         ASTM D5185m         0         0         0         0 <td>Oil Changed</td> <td></td> <td>Client Info</td> <td></td> <th>Changed</th> <td>Changed</td> <td>Not Changd</td>	Oil Changed		Client Info		Changed	Changed	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	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         0         0         0           Nickel         ppm         ASTM D5185m         0         0         0           Silver         ppm         ASTM D5185m         0         0         0           Silver         ppm         ASTM D5185m         0         0         0           Aluminum         ppm         ASTM D5185m         >25         <1         <1         <1           Lead         ppm         ASTM D5185m         >50         <1         0         2           Copper         ppm         ASTM D5185m         >50         <1         0         2           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 <t< th=""><th>CONTAMINATIO</th><th>N</th><th>method</th><th>limit/base</th><th>current</th><th>history1</th><th>history2</th></t<>	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         0           Titanium         ppm         ASTM D5185m         0         0         0           Silver         ppm         ASTM D5185m         0         0         0           Aluminum         ppm         ASTM D5185m         >25         <1         <1         <1           Lead         ppm         ASTM D5185m         >25         0         0         0           Copper         ppm         ASTM D5185m         >50         <1         0         2           Tin         ppm         ASTM D5185m         >55         <1         0         0           Antimony         ppm         ASTM D5185m           0         0           Vanadium         ppm         ASTM D5185m         0         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           Barium         ppm         ASTM D5185m         0         0         0         1           Manganese <td< th=""><td>WEAR METALS</td><td></td><td>method</td><td>limit/base</td><th>current</th><td>history1</td><td>history2</td></td<>	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>50	0	0	<1
Titanium         ppm         ASTM D5185m         0         0         0           Silver         ppm         ASTM D5185m         0         0         0           Aluminum         ppm         ASTM D5185m         >25         <1         <1         <1           Lead         ppm         ASTM D5185m         >25         0         0         0           Copper         ppm         ASTM D5185m         >50         <1         0         2           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         0         <1           Barium         ppm         ASTM D5185m         0         0         0         0           Magnesium<	Chromium	ppm	ASTM D5185m	>10	0	0	0
Silver         ppm         ASTM D5185m         0         0         0           Aluminum         ppm         ASTM D5185m         >25         <1	Nickel	ppm	ASTM D5185m		0	<1	0
Aluminum         ppm         ASTM D5185m         >25         <1	Titanium	ppm	ASTM D5185m		0	0	0
Lead         ppm         ASTM D5185m         >25         0         0         0           Copper         ppm         ASTM D5185m         >50         <1	Silver	ppm	ASTM D5185m		0	0	0
Copper         ppm         ASTM D5185m         >50         <1	Aluminum	ppm	ASTM D5185m	>25	<1	<1	<1
Tin         ppm         ASTM D5185m         >15         <1	Lead	ppm	ASTM D5185m	>25	0	0	0
Antimony         ppm         ASTM D5185m          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         <1           Barium         ppm         ASTM D5185m         0         0         3           Molybdenum         ppm         ASTM D5185m         0         0         0           Manganese         ppm         ASTM D5185m         21         <1         0           Magnesium         ppm         ASTM D5185m         2         <1         0           Calcium         ppm         ASTM D5185m         5         2         <1           Phosphorus         ppm         ASTM D5185m         0         9         20           Sulfur         ppm         ASTM D5185m         576         530         452           CONTAMINANTS         method         limit/base         current         history1         history2	Copper	ppm	ASTM D5185m	>50	<1	0	2
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	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           Barium         ppm         ASTM D5185m         486         0         3           Molybdenum         ppm         ASTM D5185m         0         0         0           Manganese         ppm         ASTM D5185m         2         4         0           Magnesium         ppm         ASTM D5185m         5         2         <1           Phosphorus         ppm         ASTM D5185m         5         2         <1           Phosphorus         ppm         ASTM D5185m         0         9         20           Sulfur         ppm         ASTM D5185m         0         9         20           Sulfur         ppm         ASTM D5185m         576         530         452           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         2         0         6 <td>Antimony</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th></th> <td></td> <td>0</td>	Antimony	ppm	ASTM D5185m				0
ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         <1           Barium         ppm         ASTM D5185m         486         0         3           Molybdenum         ppm         ASTM D5185m         0         0         0           Manganese         ppm         ASTM D5185m         2         4         0           Magnesium         ppm         ASTM D5185m         2         4         0           Calcium         ppm         ASTM D5185m         5         2         <1           Phosphorus         ppm         ASTM D5185m         0         9         20           Sulfur         ppm         ASTM D5185m         576         530         452           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1         12         3           Sodium         ppm         ASTM D5185m         >20         2         0         6           FLUID DEGRADATION         method         limit/base         current	Vanadium	ppm	ASTM D5185m		0	0	0
Boron         ppm         ASTM D5185m         0         0         <1	Cadmium	ppm	ASTM D5185m		0	0	0
Barium         ppm         ASTM D5185m         486         0         3           Molybdenum         ppm         ASTM D5185m         0         0         0           Manganese         ppm         ASTM D5185m         <1	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum         ppm         ASTM D5185m         0         0         0           Manganese         ppm         ASTM D5185m         <1	Boron	ppm	ASTM D5185m		0	0	<1
Manganese         ppm         ASTM D5185m         <1	Barium	ppm	ASTM D5185m		486	0	3
Magnesium         ppm         ASTM D5185m         2         4         0           Calcium         ppm         ASTM D5185m         5         2         <1	Molybdenum	ppm	ASTM D5185m		0	0	0
Calcium         ppm         ASTM D5185m         5         2         <1	Manganese	ppm	ASTM D5185m		<1	<1	0
Phosphorus         ppm         ASTM D5185m         11         28         196           Zinc         ppm         ASTM D5185m         0         9         20           Sulfur         ppm         ASTM D5185m         576         530         452           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1	Magnesium	ppm	ASTM D5185m		2	4	0
Zinc         ppm         ASTM D5185m         0         9         20           Sulfur         ppm         ASTM D5185m         576         530         452           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1         12         3           Sodium         ppm         ASTM D5185m         11         2         25           Potassium         ppm         ASTM D5185m         >20         2         0         6           FLUID DEGRADATION         method         limit/base         current         history1         history2	Calcium	ppm	ASTM D5185m		5	2	<1
Sulfur         ppm         ASTM D5185m         576         530         452           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1         12         3           Sodium         ppm         ASTM D5185m         11         2         25           Potassium         ppm         ASTM D5185m         >20         2         0         6           FLUID DEGRADATION         method         limit/base         current         history1         history2	Phosphorus	ppm	ASTM D5185m		11	28	196
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1         12         3           Sodium         ppm         ASTM D5185m         11         2         25           Potassium         ppm         ASTM D5185m         >20         2         0         6           FLUID DEGRADATION         method         limit/base         current         history1         history2	Zinc	ppm	ASTM D5185m		0	9	20
Silicon         ppm         ASTM D5185m         >25         <1	Sulfur	ppm	ASTM D5185m		576	530	452
Sodium         ppm         ASTM D5185m         11         2         25           Potassium         ppm         ASTM D5185m         >20         2         0         6           FLUID DEGRADATION         method         limit/base         current         history1         history2	CONTAMINANTS	6	method	limit/base	current	history1	history2
Potassium         ppm         ASTM D5185m         >20         2         0         6           FLUID DEGRADATION         method         limit/base         current         history1         history2	Silicon	ppm	ASTM D5185m	>25	<1	12	3
FLUID DEGRADATION method limit/base current history1 history2	Sodium	ppm	ASTM D5185m		11	2	25
	Potassium	ppm	ASTM D5185m	>20	2	0	6
Acid Number (AN)         mg KOH/g         ASTM D8045         0.06         0.187         0.12	FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.06	0.187	0.12



# **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	TES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		42.2	42.43	49.5
SAMPLE IMAGES	5	method	limit/base	current	history1	history2
Color						
Bottom						







Certificate 12367

Laboratory Sample No.

Lab Number : 06140022 Unique Number : 10964830

: UAC06140022 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 05 Apr 2024

**Tested** : 08 Apr 2024 Diagnosed : 08 Apr 2024 - Don Baldridge

123 MERCHANTS PARK DR HOSCHTON, GA US 30548

ATLANTA AIR COMPRESSOR

Contact: Derik Bray Derik@atlantaaircompressor.com

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.

T: (470)252-9952 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: x: