

# OIL ANALYSIS REPORT

Sample Rating Trend

**WATER**



Area  
**ASL-IR-46 [1421]**  
Machine Id  
**SULLIAR 201812040020 - HOFFMAN**  
Component  
**Compressor**



## DIAGNOSIS

### ● Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### ● Contamination

There is a moderate concentration of water present in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>UCH06124996</b>	---	---
Sample Date	Client Info		<b>19 Jan 2024</b>	---	---
Machine Age	hrs	Client Info	<b>18807</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>ATTENTION</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>3</b>	---	---
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185m >25	<b>3</b>	---	---
Lead	ppm	ASTM D5185m >25	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185m >50	<b>16</b>	---	---
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	---	---
Barium	ppm	ASTM D5185m	<b>40</b>	---	---
Molybdenum	ppm	ASTM D5185m	<b>0</b>	---	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m	<b>2</b>	---	---
Calcium	ppm	ASTM D5185m	<b>9</b>	---	---
Phosphorus	ppm	ASTM D5185m	<b>8</b>	---	---
Zinc	ppm	ASTM D5185m	<b>77</b>	---	---
Sulfur	ppm	ASTM D5185m	<b>269</b>	---	---

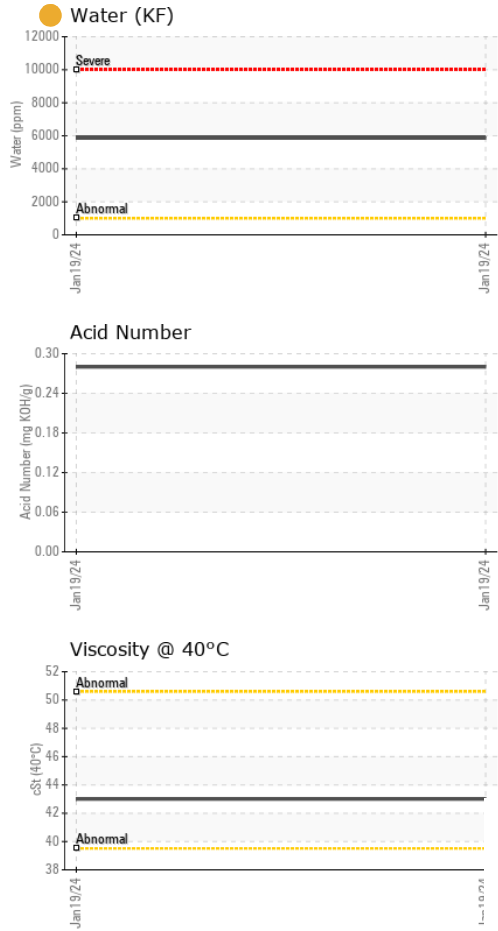
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>3</b>	---	---
Sodium	ppm	ASTM D5185m	<b>186</b>	---	---
Potassium	ppm	ASTM D5185m >20	<b>5</b>	---	---
Water	%	ASTM D6304 >0.1	● <b>0.586</b>	---	---
ppm Water	ppm	ASTM D6304 >1000	● <b>5860</b>	---	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.28</b>	---	---

# OIL ANALYSIS REPORT



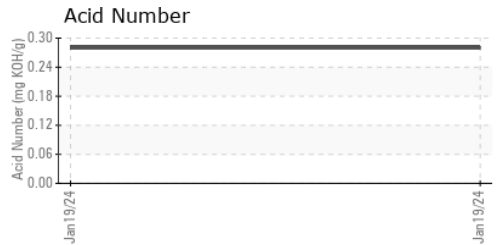
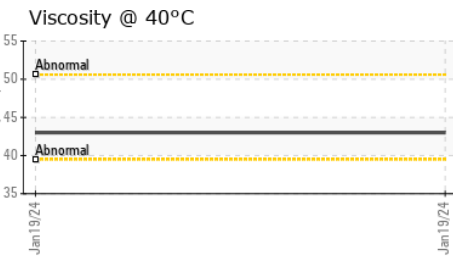
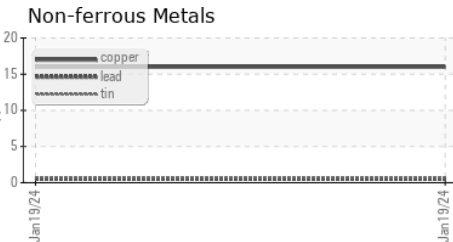
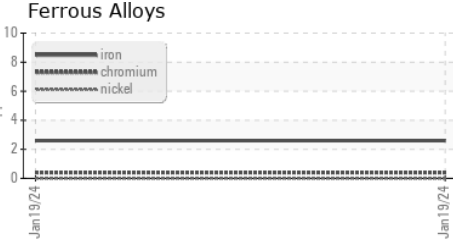
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	0.2%	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	43.0	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06124996 **Received** : 21 Mar 2024  
**Lab Number** : 06124996 **Tested** : 25 Mar 2024  
**Unique Number** : 10939147 **Diagnosed** : 25 Mar 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF )

**AIR SPECIALTY & EQUIPMENT COMPANY**  
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 DEER PARK, TX  
 US 77536  
 Contact: AARON RIOS  
 oilsamples@airspecialty.com  
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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)