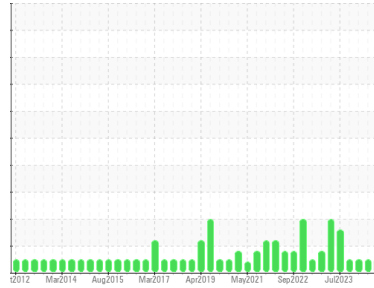




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**SLAUGHTER**  
 Machine Id  
**SULLAIR TYSAMAS 5 SUL (S/N 007-05000479)**  
 Component  
**Refrigeration Compressor**  
 Fluid  
**USPI 1009-68 SC (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

### 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		<b>USP0006112</b>	USP0003555	USP0003547
Sample Date	Client Info		<b>05 Mar 2024</b>	15 Nov 2023	14 Nov 2023
Machine Age	hrs	Client Info	<b>14913</b>	12321	12321
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >8	<b>27</b>	---	25
Chromium	ppm	ASTM D5185m >2	<b>&lt;1</b>	---	0
Nickel	ppm	ASTM D5185m	<b>0</b>	---	0
Titanium	ppm	ASTM D5185m	<b>0</b>	---	0
Silver	ppm	ASTM D5185m >2	<b>0</b>	---	0
Aluminum	ppm	ASTM D5185m >3	<b>0</b>	---	0
Lead	ppm	ASTM D5185m >2	<b>0</b>	---	0
Copper	ppm	ASTM D5185m >8	<b>0</b>	---	0
Tin	ppm	ASTM D5185m >4	<b>0</b>	---	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	---	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	---	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	---	0
Barium	ppm	ASTM D5185m	<b>0</b>	---	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	---	0
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	---	0
Magnesium	ppm	ASTM D5185m	<b>0</b>	---	0
Calcium	ppm	ASTM D5185m	<b>1</b>	---	<1
Phosphorus	ppm	ASTM D5185m	<b>0</b>	---	0
Zinc	ppm	ASTM D5185m	<b>0</b>	---	0
Sulfur	ppm	ASTM D5185m 50	<b>0</b>	---	0

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<b>0</b>	---	<1
Sodium	ppm	ASTM D5185m	<b>1</b>	---	1
Potassium	ppm	ASTM D5185m >20	<b>0</b>	---	0
Water	%	ASTM D6304 >0.01	<b>0.001</b>	---	0.006
ppm Water	ppm	ASTM D6304 >100	<b>14</b>	---	61

## FLUID CLEANLINESS

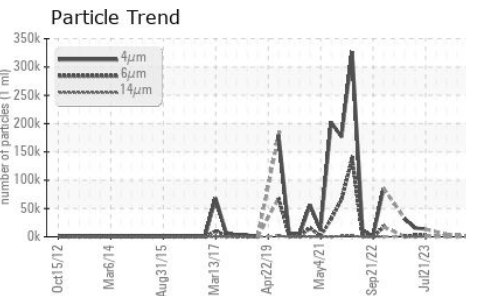
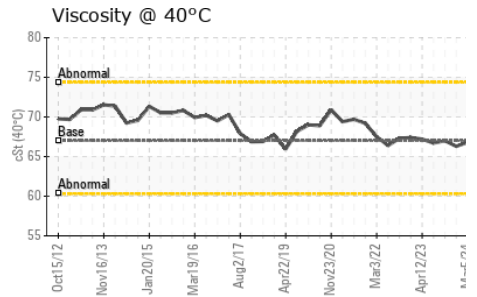
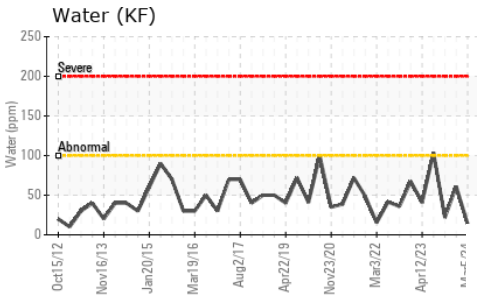
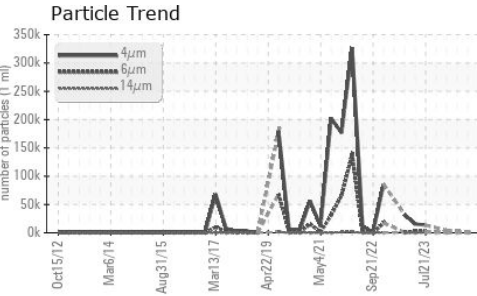
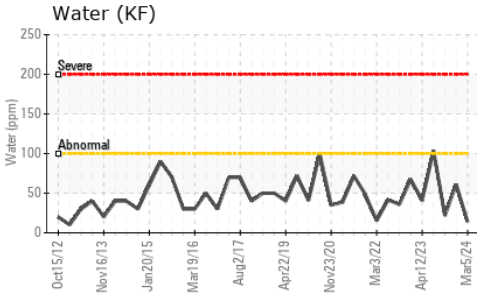
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		<b>1080</b>	---	4234
Particles >6µm	ASTM D7647 >2500		<b>323</b>	---	1092
Particles >14µm	ASTM D7647 >320		<b>14</b>	---	55
Particles >21µm	ASTM D7647 >80		<b>3</b>	---	6
Particles >38µm	ASTM D7647 >20		<b>0</b>	---	0
Particles >71µm	ASTM D7647 >4		<b>0</b>	---	0
Oil Cleanliness	ISO 4406 (c)	>--/18/15	<b>17/16/11</b>	---	19/17/13

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974 0.005	<b>0.014</b>	---	0.01



# OIL ANALYSIS REPORT

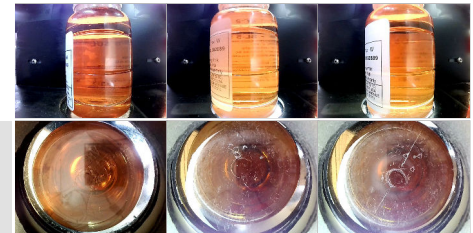
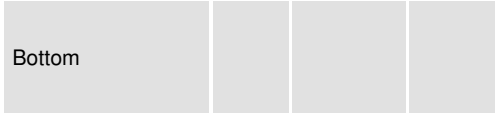


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.01	NEG	---
Free Water	scalar	*Visual		NEG	---

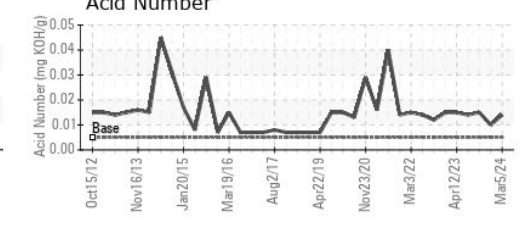
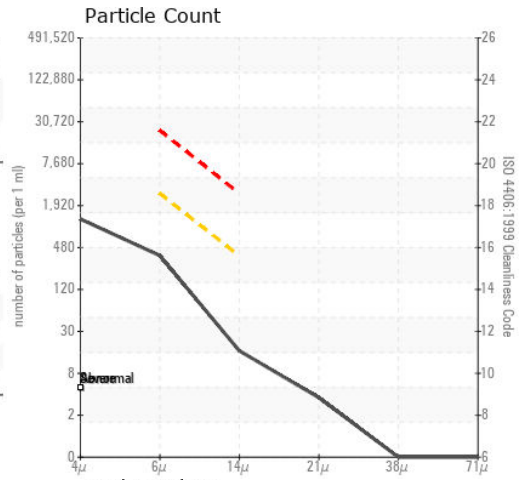
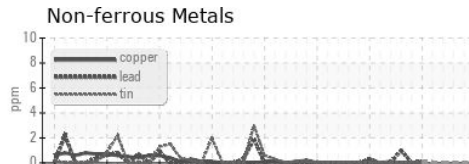
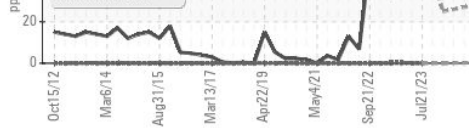
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	67	66.8	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : USP0006112  
**Lab Number** : 06123174  
**Unique Number** : 10937325  
**Test Package** : IND 2  
**Received** : 19 Mar 2024  
**Tested** : 20 Mar 2024  
**Diagnosed** : 21 Mar 2024 - Doug Bogart

**TYSON - AMARILLO- USP**  
 AMARILLO, TX  
 US  
 Contact: RANDY INGRAM

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)

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