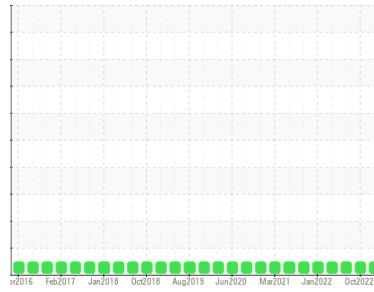




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area

**BLDG 138**

Machine Id

**04 (S/N MK6B/WRVI255165/1633)**

Component

**Refrigeration Compressor**

Fluid

**USPI 1009-68 SC (120 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 component. The amount and size of particulates present in the system is 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>USP0012660</b>	USP234299	USP241292
Sample Date	Client Info	<b>02 Jun 2024</b>	02 Oct 2022	10 Jul 2022
Machine Age	hrs Client Info	<b>0</b>	0	0
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>&lt;1</b>	0	0
Chromium	ppm ASTM D5185m >2	<b>&lt;1</b>	0	0
Nickel	ppm ASTM D5185m	<b>&lt;1</b>	0	<1
Titanium	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Silver	ppm ASTM D5185m >2	<b>0</b>	0	<1
Aluminum	ppm ASTM D5185m >3	<b>0</b>	0	0
Lead	ppm ASTM D5185m >2	<b>&lt;1</b>	<1	0
Copper	ppm ASTM D5185m >8	<b>&lt;1</b>	0	0
Tin	ppm ASTM D5185m >4	<b>&lt;1</b>	0	<1
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm ASTM D5185m	<b>&lt;1</b>	0	0

### ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>0</b>	0	<1
Barium	ppm ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Manganese	ppm ASTM D5185m	<b>0</b>	0	0
Magnesium	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Calcium	ppm ASTM D5185m	<b>0</b>	0	0
Phosphorus	ppm ASTM D5185m	<b>0</b>	0	0
Zinc	ppm ASTM D5185m	<b>0</b>	0	0
Sulfur	ppm ASTM D5185m 50	<b>0</b>	0	18

### CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >15	<b>2</b>	1	1
Sodium	ppm ASTM D5185m	<b>2</b>	0	0
Potassium	ppm ASTM D5185m >20	<b>1</b>	1	0
Water	% ASTM D6304 >0.01	<b>0.001</b>	0.003	0.005
ppm Water	ppm ASTM D6304 >100	<b>5</b>	33.5	59.8

### FLUID CLEANLINESS

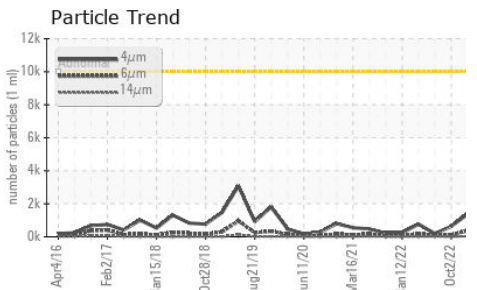
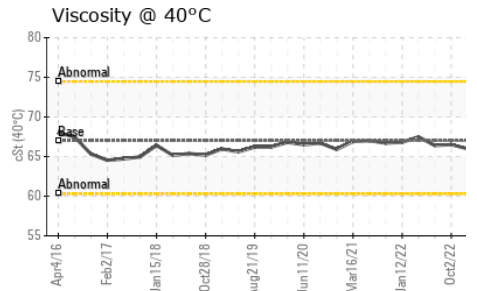
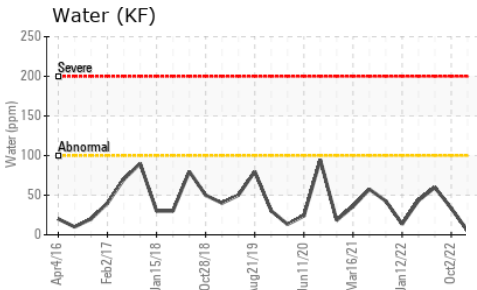
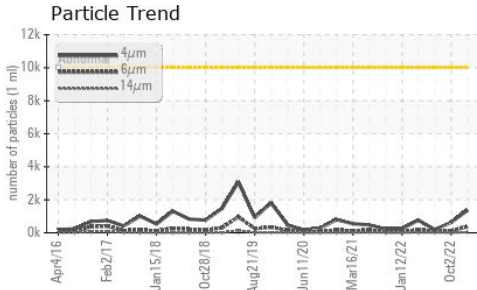
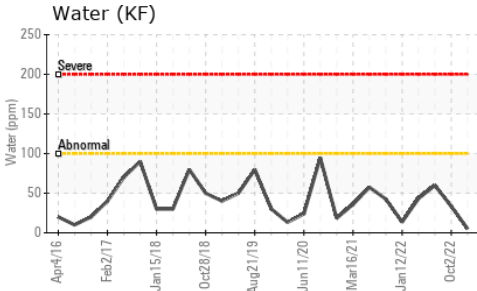
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	<b>1369</b>	632	199
Particles >6µm	ASTM D7647 >2500	<b>366</b>	134	89
Particles >14µm	ASTM D7647 >320	<b>37</b>	8	20
Particles >21µm	ASTM D7647 >80	<b>9</b>	1	6
Particles >38µm	ASTM D7647 >20	<b>0</b>	0	0
Particles >71µm	ASTM D7647 >4	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c) >20/18/15	<b>18/16/12</b>	16/14/10	15/14/11

### FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974 0.005	<b>0.014</b>	0.014	0.013



# OIL ANALYSIS REPORT



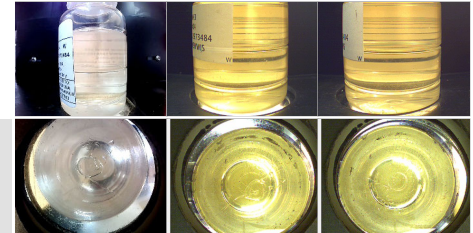
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 67	66.0	66.5	66.4

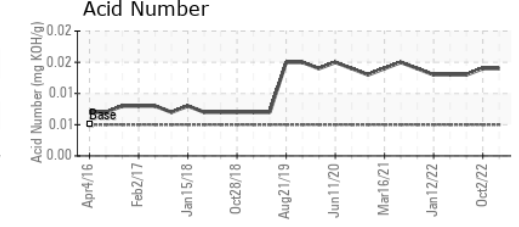
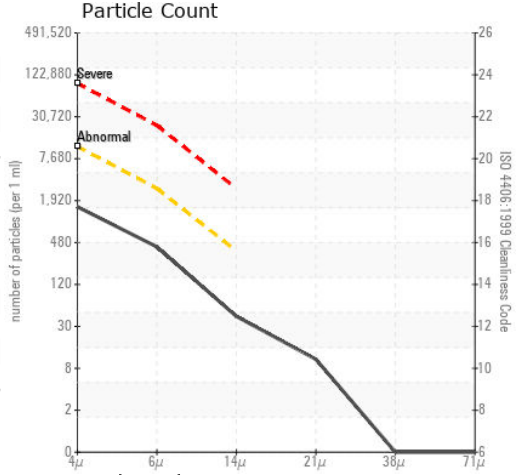
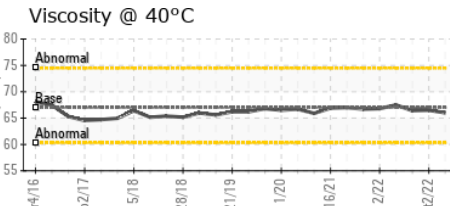
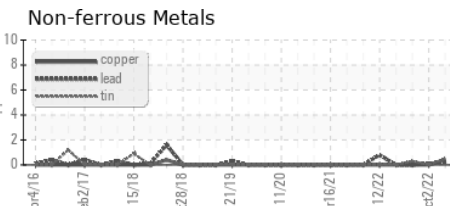
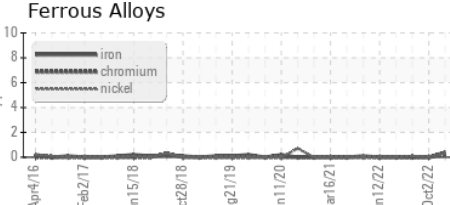
SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color

Bottom



## GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : USP0012660  
 Lab Number : 06198245  
 Unique Number : 11060368  
 Test Package : IND 2

Received : 03 Jun 2024  
 Tested : 06 Jun 2024  
 Diagnosed : 06 Jun 2024 - Doug Bogart

**TYSON HILLSHIRE - NEW LONDON**  
 N3620 COUNTY RD D  
 NEW LONDON, WI  
 US 54961  
 Contact:

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:  
F: