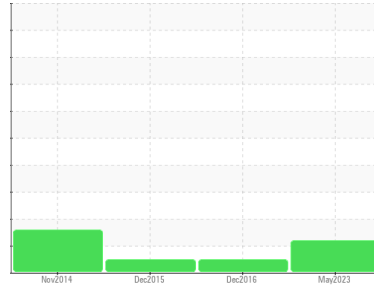




# PROBLEM SUMMARY

Sample Rating Trend



VISUAL METAL



Machine Id  
**B425**  
 Component  
**Hydraulic System**  
 Fluid  
**SHELL TELLUS 46 (--- QTS)**

## COMPONENT CONDITION SUMMARY

No relevant graphs to display

## RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	NORMAL	NORMAL
White Metal	scalar	*Visual	NONE	▲ MODER	NONE	NONE

Customer Id: DTRTAZ  
 Sample No.: WC0789666  
 Lab Number: 05922595  
 Test Package: IND 1



To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

To change component or sample information:

Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component.

## HISTORICAL DIAGNOSIS

### 08 Dec 2016 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.

[view report](#)



### 11 Dec 2015 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.

[view report](#)



### 19 Nov 2014 Diag: Don Baldrige

VISUAL METAL



We recommend you service the filters on this component. Resample at the next service interval to monitor. Light concentration of visible metal present. All component wear rates are normal. Light concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

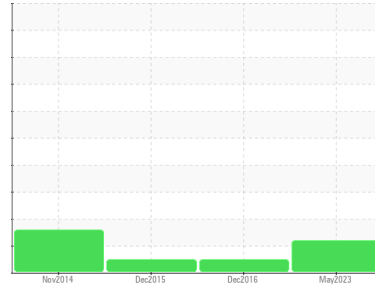
[view report](#)





# OIL ANALYSIS REPORT

Sample Rating Trend



## VISUAL METAL



Machine Id  
**B425**  
 Component  
**Hydraulic System**  
 Fluid  
**SHELL TELLUS 46 (--- QTS)**

### DIAGNOSIS

#### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

#### Wear

Moderate concentration of visible metal present. All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

#### Fluid Condition

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>WC0789666</b>	WCI1102986	WCI16503
Sample Date	Client Info		<b>13 May 2023</b>	08 Dec 2016	11 Dec 2015
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>ABNORMAL</b>	NORMAL	NORMAL

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	<b>6</b>	2	2
Chromium	ppm	ASTM D5185m >20	<b>1</b>	2	3
Nickel	ppm	ASTM D5185m >20	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >20	<b>&lt;1</b>	<1	0
Lead	ppm	ASTM D5185m >20	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m >20	<b>4</b>	4	4
Tin	ppm	ASTM D5185m >20	<b>0</b>	0	<1
Antimony	ppm	ASTM D5185m	<b>---</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0.0	<b>0</b>	1	1
Barium	ppm	ASTM D5185m 0	<b>1</b>	0	0
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m 11	<b>1</b>	3	8
Calcium	ppm	ASTM D5185m 35	<b>41</b>	54	66
Phosphorus	ppm	ASTM D5185m 266	<b>316</b>	273	270
Zinc	ppm	ASTM D5185m 276	<b>393</b>	329	268
Sulfur	ppm	ASTM D5185m 1847	<b>1696</b>	2928	3195

### CONTAMINANTS

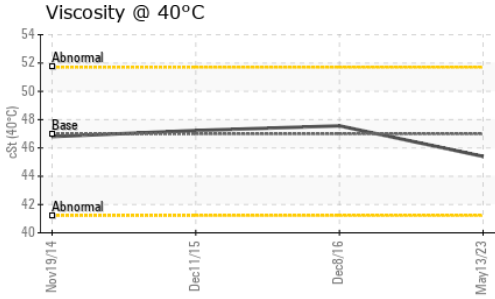
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<b>&lt;1</b>	<1	<1
Sodium	ppm	ASTM D5185m	<b>0</b>	<1	0
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	<1	0

### VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>▲ MODER</b>	NONE	NONE
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual NONE	<b>NONE</b>	LIGHT	NONE
Sand/Dirt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual >0.05	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG



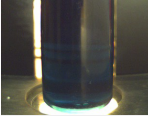

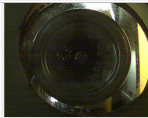

# OIL ANALYSIS REPORT



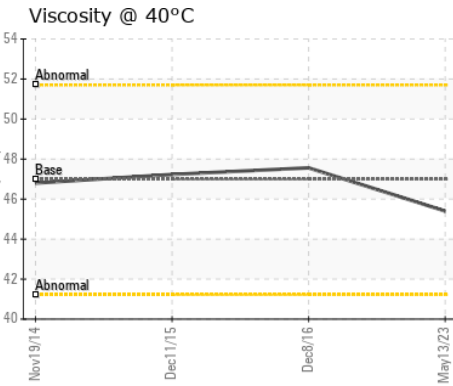
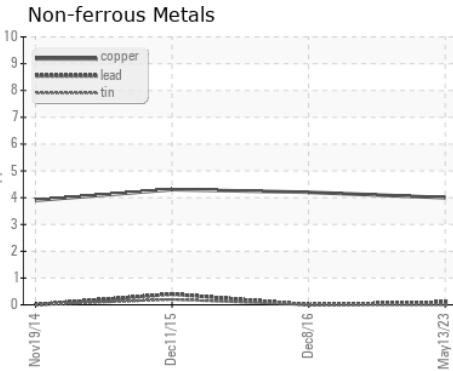
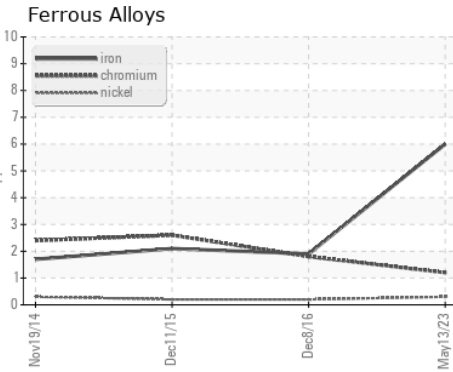
### FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	46.99	<b>45.4</b>	47.56	47.23

### SAMPLE IMAGES

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

### GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0789666 **Received** : 11 Aug 2023  
**Lab Number** : **05922595** **Diagnosed** : 14 Aug 2023  
**Unique Number** : 10602542 **Diagnostician** : Don Baldrige  
**Test Package** : IND 1

**SUMIRIKO TENNESSEE INC**  
 150 HESTER LN  
 TAZEWELL, TN  
 US 37879  
 Contact: JEREMY COLLINS  
 jcollins@us.sumiriko.com  
 T: (423)626-8805  
 F: (423)626-2065

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)