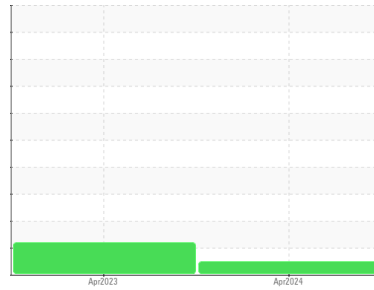


# OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id  
**B1147**  
Component  
**Hydraulic System**  
Fluid  
**AW HYDRAULIC OIL ISO 46 (--- QTS)**

**DIAGNOSIS**

**Recommendation**  
Resample at the next service interval to monitor.  
NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

**Wear**  
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>HRE0000292</b>	WC0799404	---
Sample Date	Client Info	<b>06 Apr 2024</b>	26 Apr 2023	---
Machine Age	hrs	Client Info	<b>0</b>	0
Oil Age	hrs	Client Info	<b>0</b>	0
Oil Changed	Client Info	<b>N/A</b>	N/A	---
Sample Status		<b>NORMAL</b>	ABNORMAL	---

**CONTAMINATION** method limit/base current history1 history2

Water	WC Method	>0.05	<b>NEG</b>	NEG	---
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**WEAR METALS** method limit/base current history1 history2

Iron	ppm	ASTM D5185m	>20	<b>2</b>	4	---
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	3	---
Nickel	ppm	ASTM D5185m	>20	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>20	<b>0</b>	0	---
Lead	ppm	ASTM D5185m	>20	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>20	<b>&lt;1</b>	6	---
Tin	ppm	ASTM D5185m	>20	<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	5	<b>0</b>	0	---
Barium	ppm	ASTM D5185m	5	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	5	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185m	25	<b>0</b>	8	---
Calcium	ppm	ASTM D5185m	200	<b>68</b>	42	---
Phosphorus	ppm	ASTM D5185m	300	<b>333</b>	273	---
Zinc	ppm	ASTM D5185m	370	<b>428</b>	303	---
Sulfur	ppm	ASTM D5185m	2500	<b>1106</b>	2692	---

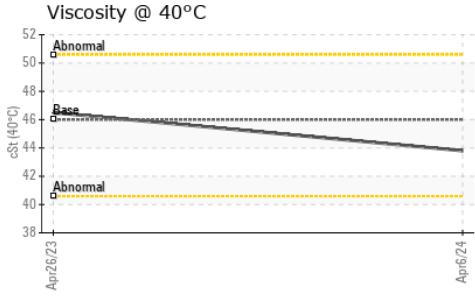
**CONTAMINANTS** method limit/base current history1 history2

Silicon	ppm	ASTM D5185m	>15	<b>0</b>	<1	---
Sodium	ppm	ASTM D5185m		<b>0</b>	0	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	---

**VISUAL** method limit/base current history1 history2

White Metal	scalar	*Visual	NONE	<b>NONE</b>	▲ MODER	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.05	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual		<b>NEG</b>	NEG	---

# OIL ANALYSIS REPORT



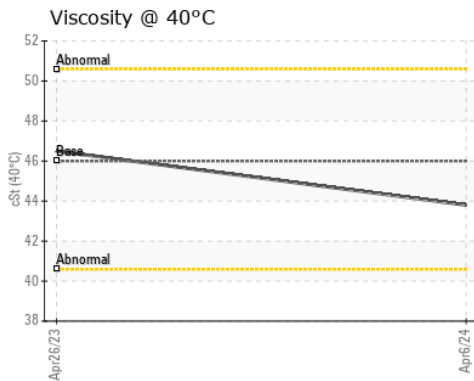
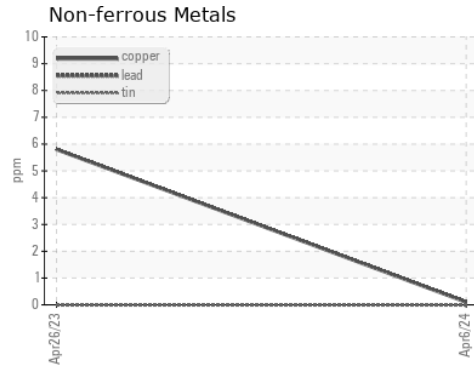
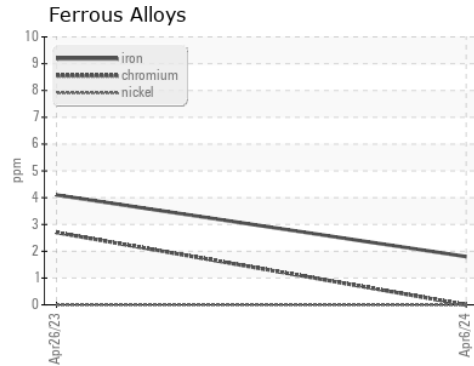
FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 40°C	cSt	ASTM D445	46	<b>43.8</b>	46.5	---
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SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : HRE0000292      **Received** : 05 Apr 2024  
**Lab Number** : 06140398      **Tested** : 08 Apr 2024  
**Unique Number** : 10965206      **Diagnosed** : 08 Apr 2024 - Wes Davis  
**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)