

# PROBLEM SUMMARY

Sample Rating Trend



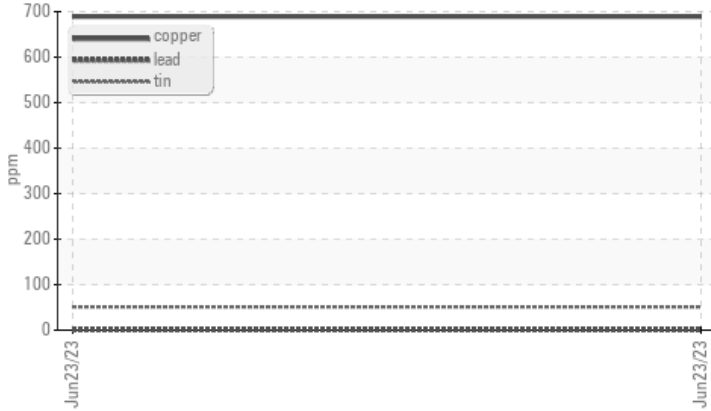
**WEAR**



Machine Id  
**907748846 907748846**  
 Component  
**Gearbox**  
 Fluid  
**10111-174 (--- GAL)**

## COMPONENT CONDITION SUMMARY

### ▲ Non-ferrous Metals



## RECOMMENDATION

We advise that you inspect for the source(s) of wear. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

## PROBLEMATIC TEST RESULTS

Sample Status			<b>ABNORMAL</b>	---	---
Copper	ppm	ASTM D5185m	>200	▲ <b>689</b>	---
Tin	ppm	ASTM D5185m	>25	▲ <b>51</b>	---

**Customer Id:** HERHER  
**Sample No.:** PCA0100824  
**Lab Number:** 05889247  
**Test Package:** IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Angela Borella +1 800-237-1369  
[angela.borella@wearcheckusa.com](mailto:angela.borella@wearcheckusa.com)

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
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Information Required	---	---	?	Please specify the brand, type, and viscosity of the oil on your next sample.

## HISTORICAL DIAGNOSIS

# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Machine Id  
**907748846 907748846**  
 Component  
**Gearbox**  
 Fluid  
**10111-174 (--- GAL)**

## DIAGNOSIS

### Recommendation

We advise that you inspect for the source(s) of wear. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

### Wear

Bearing wear is indicated.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

Viscosity of sample indicates oil is within ISO 460 range, advise investigate. Confirm oil type.

SAMPLE INFORMATION		method	limit/base	current	history 1	history 2
Sample Number	Client Info			<b>PCA0100824</b>	---	---
Sample Date	Client Info			<b>23 Jun 2023</b>	---	---
Machine Age	yrs	Client Info		<b>0</b>	---	---
Oil Age	yrs	Client Info		<b>3000</b>	---	---
Oil Changed	Client Info			<b>Not Chngd</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

WEAR METALS		method	limit/base	current	history 1	history 2
PQ		ASTM D8184		<b>17</b>	---	---
Iron	ppm	ASTM D5185m	>200	<b>16</b>	---	---
Chromium	ppm	ASTM D5185m	>15	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m	>15	<b>10</b>	---	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	---	---
Lead	ppm	ASTM D5185m	>100	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185m	>200	<b>▲ 689</b>	---	---
Tin	ppm	ASTM D5185m	>25	<b>▲ 51</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---	---

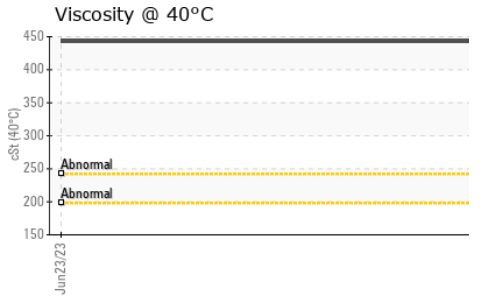
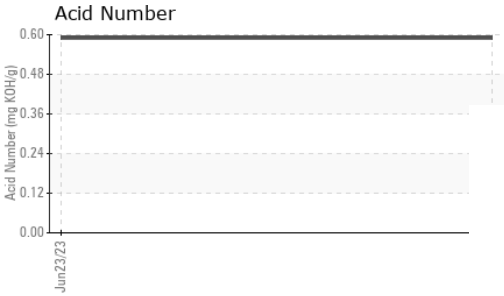
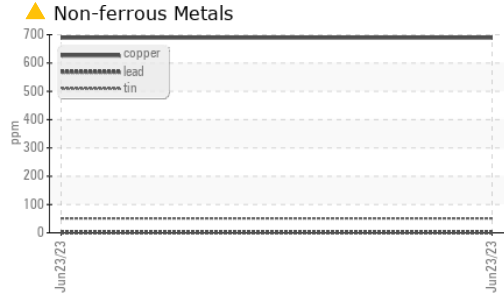
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m		<b>0</b>	---	---
Barium	ppm	ASTM D5185m		<b>2</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>0</b>	---	---
Calcium	ppm	ASTM D5185m		<b>0</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>618</b>	---	---
Zinc	ppm	ASTM D5185m		<b>6</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>567</b>	---	---

CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>50	<b>8</b>	---	---
Sodium	ppm	ASTM D5185m		<b>0</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	---	---

FLUID DEGRADATION		method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.59</b>	---	---

VISUAL		method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	---	---
Free Water	scalar	*Visual		<b>NEG</b>	---	---

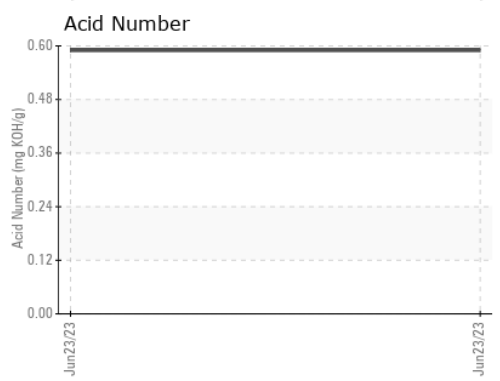
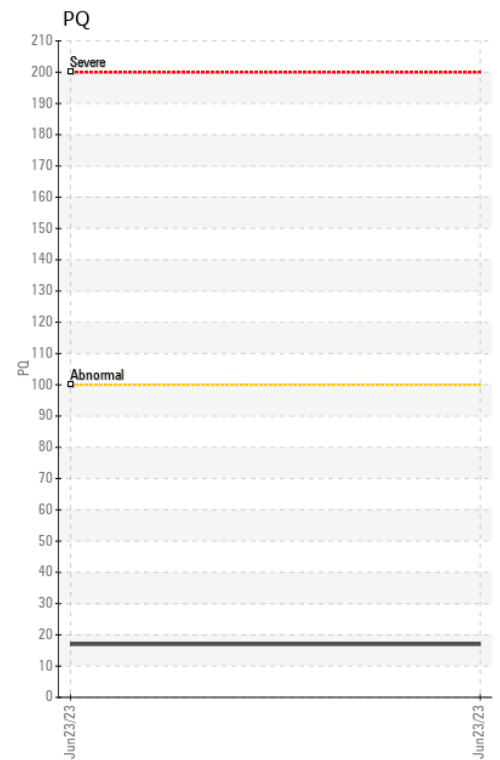
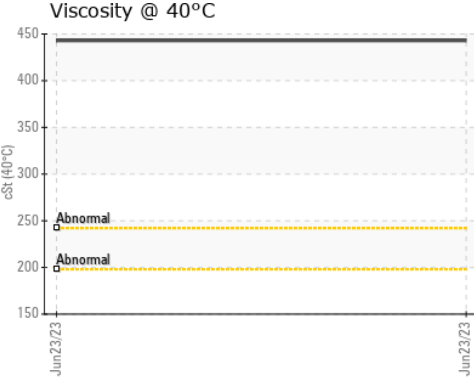
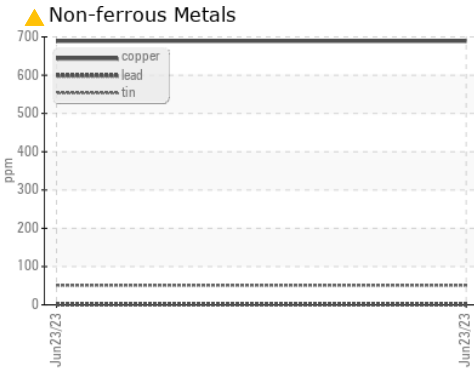
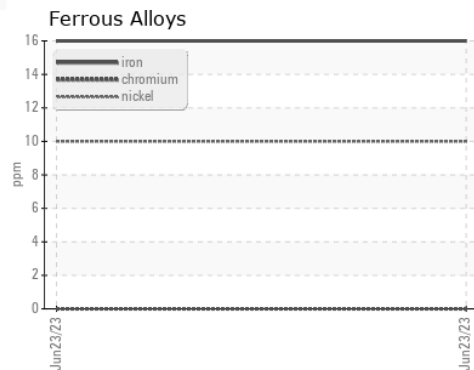
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445		443	---	---

SAMPLE IMAGES		method	limit/base	current	history 1	history 2
Color					no image	no image
Bottom					no image	no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0100824 **Received** : 03 Jul 2023  
**Lab Number** : 05889247 **Diagnosed** : 06 Jul 2023  
**Unique Number** : 10539730 **Diagnostician** : Angela Borella  
**Test Package** : IND 2 ( Additional Tests: PQ )

**THE HERSHEY COMPANY**  
 WEST HERSHEY - TECHNICAL ASSURANCE, 1033 OLDE WEST CHOCOLATE  
 HERSHEY, PA  
 US 17033  
 Contact: CLINTON ZOHNER  
 clintzohner@hersheys.com  
 T: (717)374-4846  
 F: (717)374-4594

Certificate L2367  
 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)