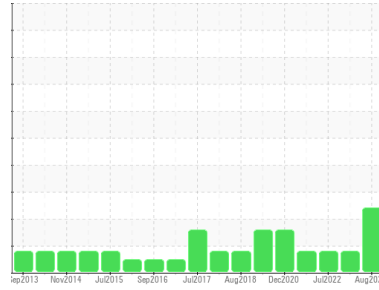


# PROBLEM SUMMARY

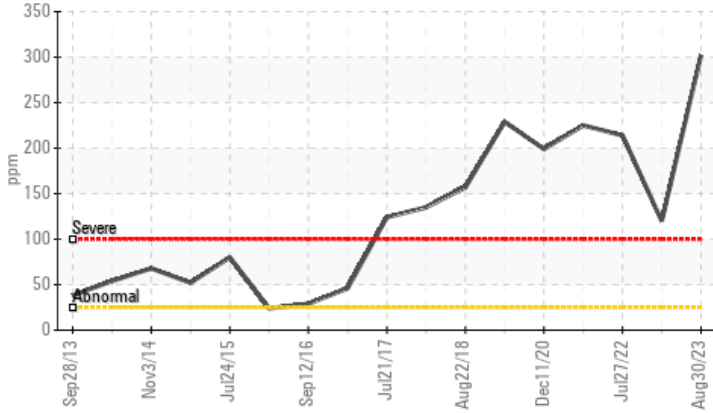
Area  
**LINE 7**  
 Machine Id  
**[LINE 7] L7 WRAPPER 17 L7 WRAPPER 17**  
 Component  
**Gearbox**  
 Fluid  
**NOT GIVEN (--- GAL)**

Sample Rating Trend



## COMPONENT CONDITION SUMMARY

▲ Aluminum (ppm)



## RECOMMENDATION

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

## PROBLEMATIC TEST RESULTS

Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL
Aluminum	ppm	ASTM D5185m	>25	▲ <b>302</b>	▲ 120	▲ 214
Silt	scalar	*Visual	NONE	▲ <b>HEAVY</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	▲ <b>HAZY</b>	NORML	NORML

Customer Id: HERHER  
 Sample No.: PCA0103716  
 Lab Number: 05944712  
 Test Package: IND 2



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 if applicable.

## HISTORICAL DIAGNOSIS

### 10 Feb 2023 Diag: Don Baldrige

#### WEAR



No corrective action is recommended at this time. Resample at the next service interval to monitor. The aluminum level has decreased, but is still abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



### 27 Jul 2022 Diag: Don Baldrige

#### WEAR



No corrective action is recommended at this time. Resample at the next service interval to monitor. The aluminum level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



### 10 Jul 2021 Diag: Angela Borella

#### WEAR



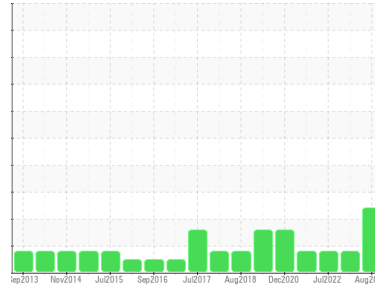
No corrective action is recommended at this time. Resample at the next service interval to monitor. The aluminum level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Area  
**LINE 7**  
Machine Id  
**[LINE 7] L7 WRAPPER 17 L7 WRAPPER 17**  
Component  
**Gearbox**  
Fluid  
**NOT GIVEN (--- GAL)**

## DIAGNOSIS

### Recommendation

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

### Wear

The aluminum level is abnormal. All other component wear rates are normal.

### Contamination

Appearance is hazy. High concentration of visible dirt/debris present in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. 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>PCA0103716</b>	PCA0089751	PCA0051676
Sample Date	Client Info		<b>30 Aug 2023</b>	10 Feb 2023	27 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>ABNORMAL</b>	ABNORMAL	ABNORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		<b>51</b>	48	42
Iron	ppm	ASTM D5185m >200	<b>81</b>	67	58
Chromium	ppm	ASTM D5185m >15	<b>2</b>	1	<1
Nickel	ppm	ASTM D5185m >15	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>▲ 302</b>	▲ 120	▲ 214
Lead	ppm	ASTM D5185m >100	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m >200	<b>6</b>	5	4
Tin	ppm	ASTM D5185m >25	<b>&lt;1</b>	<1	<1
Antimony	ppm	ASTM D5185m >5	<b>---</b>	---	---
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	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	<b>20</b>	15	2
Molybdenum	ppm	ASTM D5185m	<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	<b>8</b>	9	6
Calcium	ppm	ASTM D5185m	<b>4558</b>	3910	3197
Phosphorus	ppm	ASTM D5185m	<b>547</b>	503	435
Zinc	ppm	ASTM D5185m	<b>1901</b>	1582	1324
Sulfur	ppm	ASTM D5185m	<b>1928</b>	1679	1573

## CONTAMINANTS

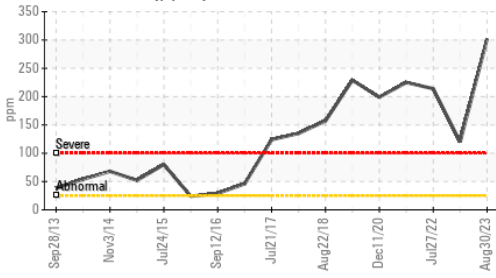
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<b>45</b>	37	35
Sodium	ppm	ASTM D5185m	<b>3</b>	4	0
Potassium	ppm	ASTM D5185m >20	<b>2</b>	0	2

## FLUID DEGRADATION

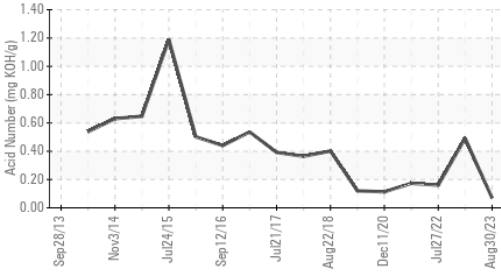
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.07</b>	0.491	0.16

# OIL ANALYSIS REPORT

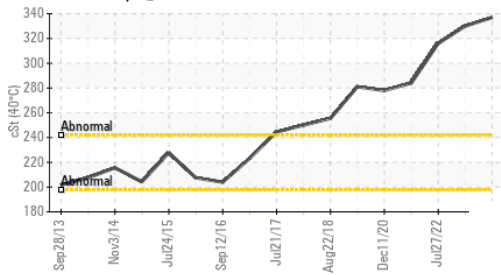
### ▲ Aluminum (ppm)



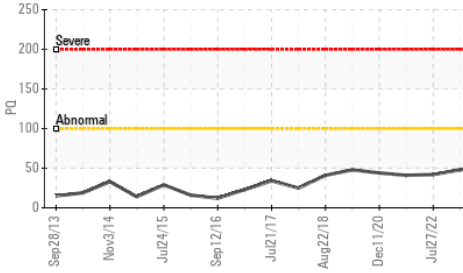
### Acid Number



### Viscosity @ 40°C



### PQ



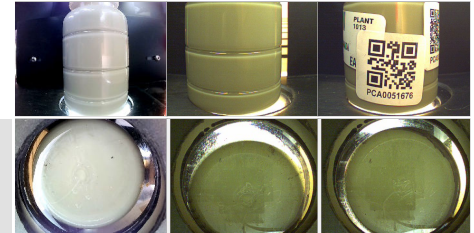
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	▲ HEAVY	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	▲ HAZY	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	337	330	316

SAMPLE IMAGES	method	limit/base	current	history1	history2
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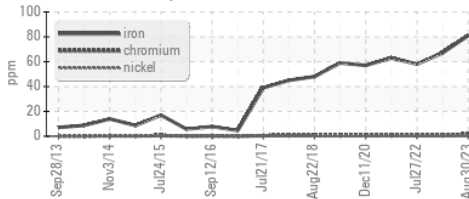
### Color

### Bottom

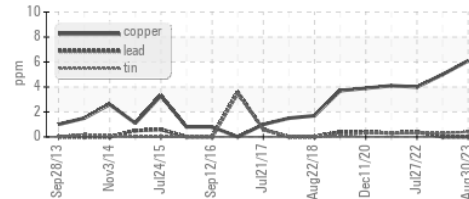


### GRAPHS

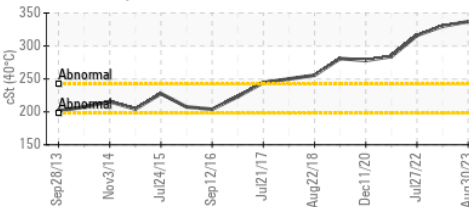
#### Ferrous Alloys



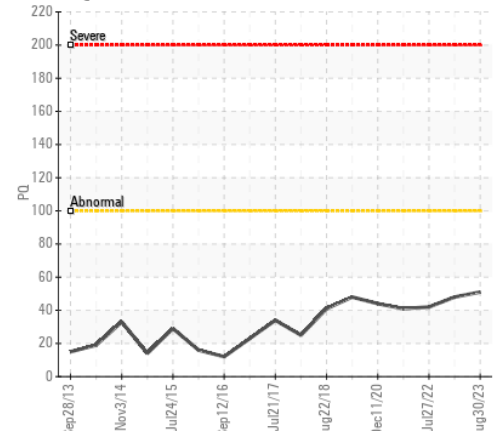
#### Non-ferrous Metals



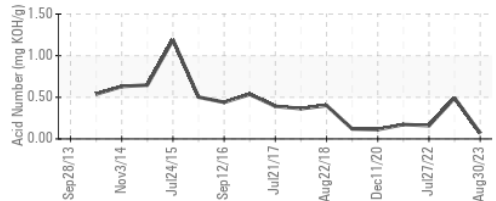
#### Viscosity @ 40°C



#### PQ



#### Acid Number



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0103716 **Received** : 07 Sep 2023  
**Lab Number** : 05944712 **Diagnosed** : 09 Sep 2023  
**Unique Number** : 10635324 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: PQ )

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)

**THE HERSHEY COMPANY**  
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