

PROBLEM SUMMARY

Area
[907748848]
 Machine Id
[] 907748848 907748848
 Component
Gearbox
 Fluid
10111-174 (--- GAL)

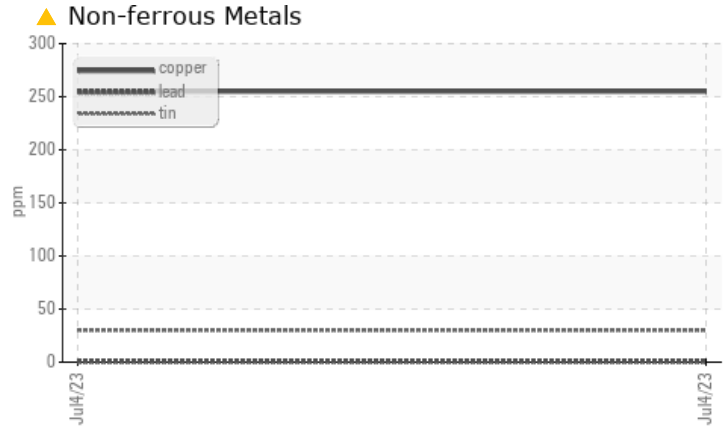
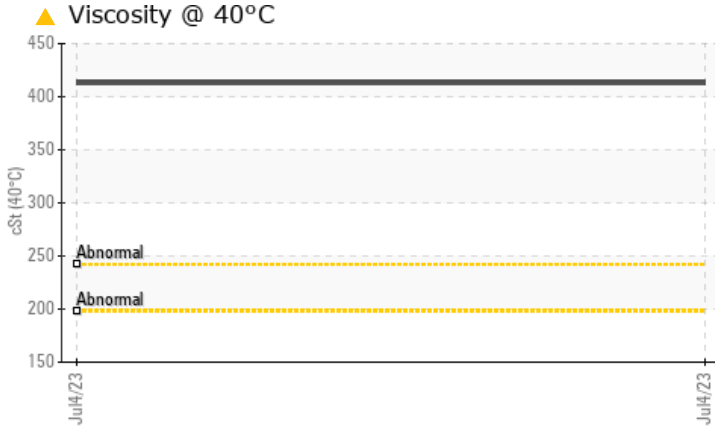
Sample Rating Trend



WEAR



COMPONENT CONDITION SUMMARY



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				ABNORMAL	---	---
Copper	ppm	ASTM D5185m	>200	▲ 255	---	---
Tin	ppm	ASTM D5185m	>25	▲ 30	---	---
Visc @ 40°C	cSt	ASTM D445		▲ 413	---	---

Customer Id: HERHER
 Sample No.: PCA0098841
 Lab Number: 05889245
 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

To change component or sample information:
 Customer Service +1 1-800-237-1369
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



Area
[907748848]
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[] 907748848 907748848
 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	PCA0098841	---	---
Sample Date	Client Info	04 Jul 2023	---	---
Machine Age	yrs Client Info	3000	---	---
Oil Age	yrs Client Info	0	---	---
Oil Changed	Client Info	Not Chngd	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history 1	history 2
PQ	ASTM D8184	15	---	---
Iron	ppm ASTM D5185m >200	2	---	---
Chromium	ppm ASTM D5185m >15	0	---	---
Nickel	ppm ASTM D5185m >15	5	---	---
Titanium	ppm ASTM D5185m	0	---	---
Silver	ppm ASTM D5185m	0	---	---
Aluminum	ppm ASTM D5185m >25	2	---	---
Lead	ppm ASTM D5185m >100	<1	---	---
Copper	ppm ASTM D5185m >200	▲ 255	---	---
Tin	ppm ASTM D5185m >25	▲ 30	---	---
Vanadium	ppm ASTM D5185m	0	---	---
Cadmium	ppm ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history 1	history 2
Boron	ppm ASTM D5185m	0	---	---
Barium	ppm ASTM D5185m	2	---	---
Molybdenum	ppm ASTM D5185m	0	---	---
Manganese	ppm ASTM D5185m	0	---	---
Magnesium	ppm ASTM D5185m	0	---	---
Calcium	ppm ASTM D5185m	0	---	---
Phosphorus	ppm ASTM D5185m	569	---	---
Zinc	ppm ASTM D5185m	4	---	---
Sulfur	ppm ASTM D5185m	537	---	---

CONTAMINANTS

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

FLUID DEGRADATION

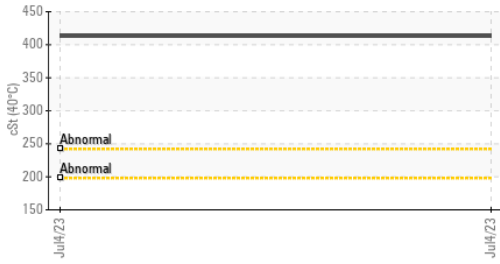
method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g ASTM D8045	0.45	---	---

VISUAL

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

OIL ANALYSIS REPORT


▲ Viscosity @ 40°C



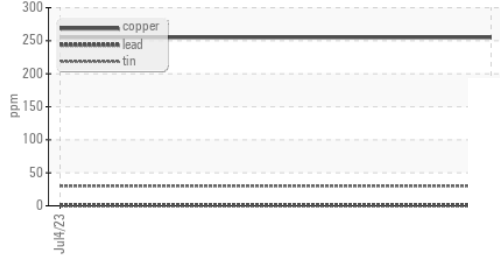
FLUID PROPERTIES

Property	Method	Limit/Base	Current	History 1	History 2
Visc @ 40°C	cSt	ASTM D445	▲ 413	---	---

SAMPLE IMAGES

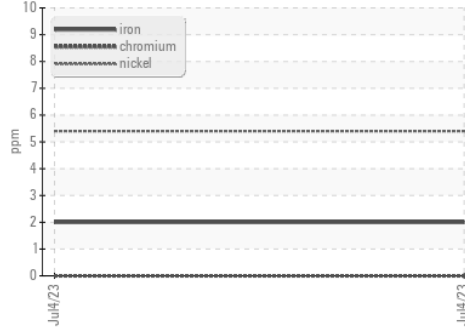
Property	Method	Limit/Base	Current	History 1	History 2
Color				no image	no image
Bottom				no image	no image

▲ Non-ferrous Metals

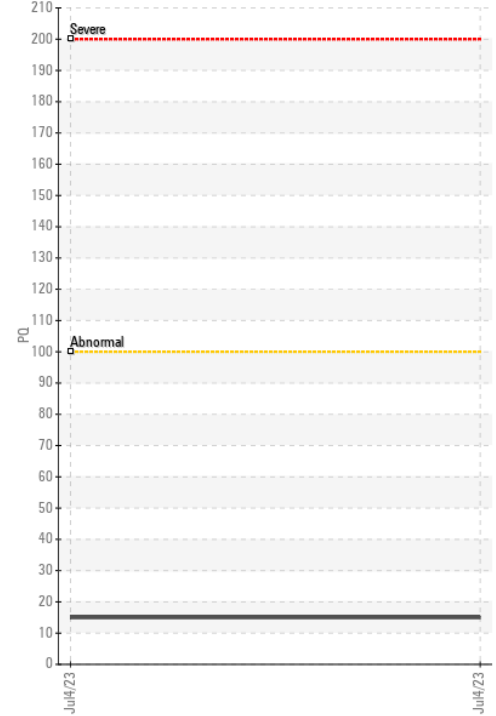


GRAPHS

Ferrous Alloys



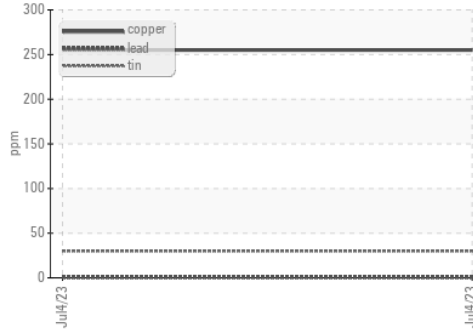
PQ



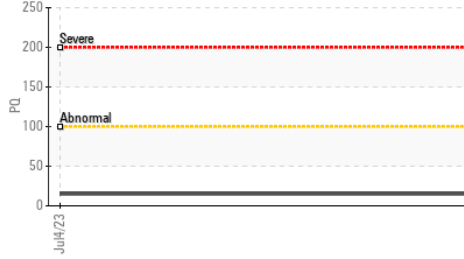
Acid Number



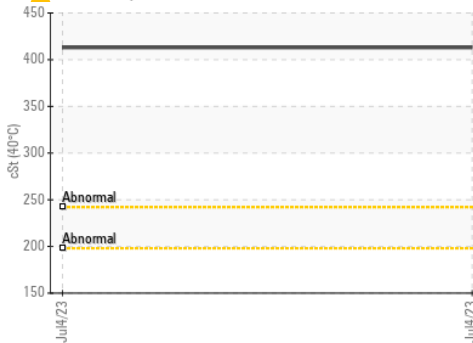
▲ Non-ferrous Metals



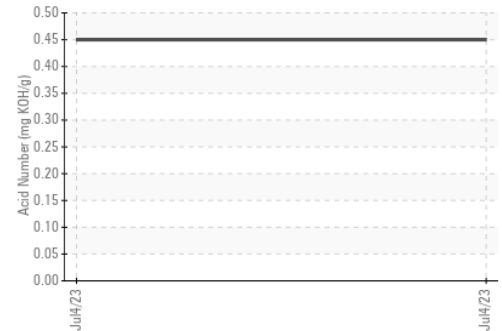
PQ



▲ Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0098841 **Received** : 03 Jul 2023
Lab Number : 05889245 **Diagnosed** : 06 Jul 2023
Unique Number : 10539728 **Diagnostician** : Angela Borella
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)

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