

PROBLEM SUMMARY

Sample Rating Trend

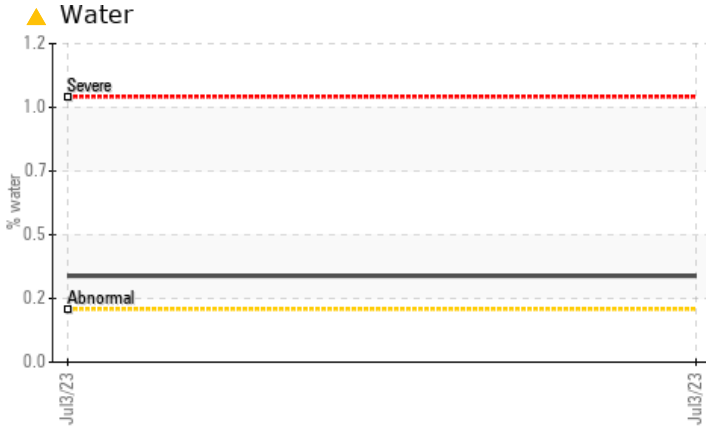


WATER



Machine Id
2026876
 Component
2 Differential
 Fluid
NOT GIVEN (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Water	%	ASTM D6304	>.2	▲ 0.325	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 3250	---	---

Customer Id: PERDILSC
Sample No.: PCA0100714
Lab Number: 05896469
Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@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
Change Fluid	---	---	?	We recommend that you drain the oil from the component if this has not already been done.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
2026876
 Component
2 Differential
 Fluid
NOT GIVEN (--- GAL)

DIAGNOSIS

▲ Recommendation

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

▲ Contamination

There is a moderate concentration of water present in the oil.

Fluid Condition

The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0100714	---	---
Sample Date	Client Info	03 Jul 2023	---	---
Machine Age	hrs Client Info	20000	---	---
Oil Age	hrs Client Info	20000	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >500	139	---	---
Chromium ppm	ASTM D5185m >10	1	---	---
Nickel ppm	ASTM D5185m >10	5	---	---
Titanium ppm	ASTM D5185m	0	---	---
Silver ppm	ASTM D5185m	0	---	---
Aluminum ppm	ASTM D5185m >25	3	---	---
Lead ppm	ASTM D5185m >25	0	---	---
Copper ppm	ASTM D5185m >100	0	---	---
Tin ppm	ASTM D5185m >10	0	---	---
Vanadium ppm	ASTM D5185m	0	---	---
Cadmium ppm	ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m	268	---	---
Barium ppm	ASTM D5185m	0	---	---
Molybdenum ppm	ASTM D5185m	<1	---	---
Manganese ppm	ASTM D5185m	10	---	---
Magnesium ppm	ASTM D5185m	<1	---	---
Calcium ppm	ASTM D5185m	12	---	---
Phosphorus ppm	ASTM D5185m	1348	---	---
Zinc ppm	ASTM D5185m	14	---	---
Sulfur ppm	ASTM D5185m	27224	---	---

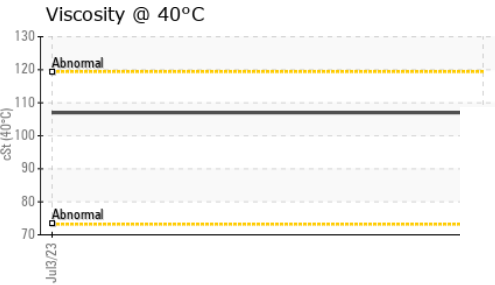
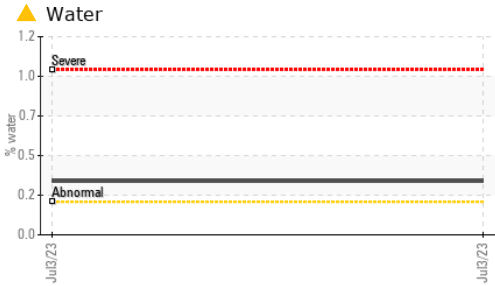
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >75	48	---	---
Sodium ppm	ASTM D5185m	7	---	---
Potassium ppm	ASTM D5185m >20	32	---	---
Water %	ASTM D6304 >.2	▲ 0.325	---	---
ppm Water	ASTM D6304 >2000	▲ 3250	---	---

VISUAL

method	limit/base	current	history1	history2
White Metal scalar	*Visual NONE	MODER	---	---
Yellow Metal scalar	*Visual NONE	NONE	---	---
Precipitate scalar	*Visual NONE	NONE	---	---
Silt scalar	*Visual NONE	NONE	---	---
Debris scalar	*Visual NONE	LIGHT	---	---
Sand/Dirt scalar	*Visual NONE	NONE	---	---
Appearance scalar	*Visual NORML	NORML	---	---
Odor scalar	*Visual NORML	NORML	---	---
Emulsified Water scalar	*Visual >.2	0.2%	---	---
Free Water scalar	*Visual	NEG	---	---

OIL ANALYSIS REPORT



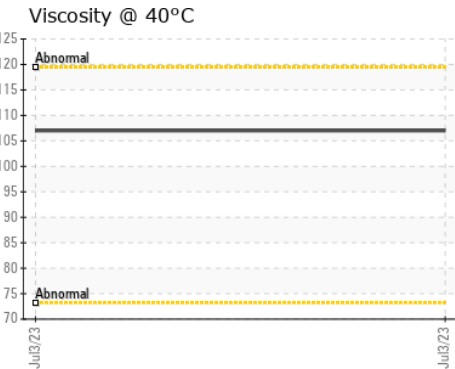
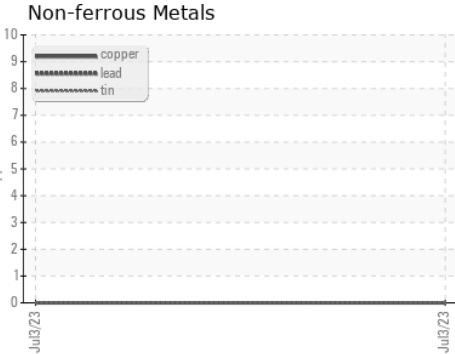
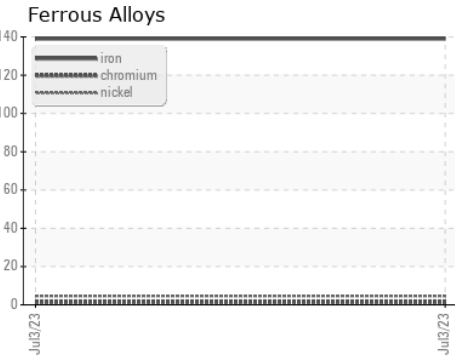
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	107	---	---

SAMPLE IMAGES

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0100714 **Received** : 12 Jul 2023
Lab Number : **05896469** **Diagnosed** : 23 Jul 2023
Unique Number : 10552279 **Diagnostician** : Doug Bogart
Test Package : FLEET (Additional Tests: KF)

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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