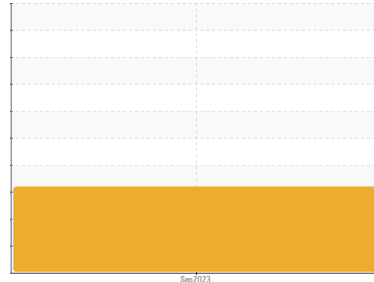


# PROBLEM SUMMARY

Sample Rating Trend

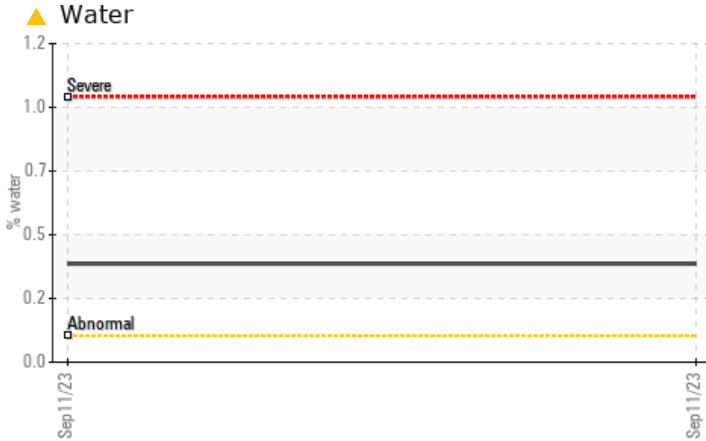


**WATER**



Machine Id  
**5W40 BEAUDRY**  
 Component  
**New (Unused) Oil**  
 Fluid  
**{not provided} (--- QTS)**

## COMPONENT CONDITION SUMMARY



## RECOMMENDATION

This is a baseline read-out on the submitted sample. We advise that you check for the source of water entry.

## PROBLEMATIC TEST RESULTS

Sample Status				<b>ABNORMAL</b>	---	---
Water	%	ASTM D6304		<b>▲ 0.371</b>	---	---
ppm Water	ppm	ASTM D6304		<b>▲ 3710</b>	---	---
Silt	scalar	*Visual	NONE	<b>▲ MODER</b>	---	---
Appearance	scalar	*Visual	NORML	<b>▲ HAZY</b>	---	---
Emulsified Water	scalar	*Visual		<b>▲ 0.2%</b>	---	---

Customer Id: BEAELK  
 Sample No.: PCA0069445  
 Lab Number: 05949710  
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Jonathan Hester +1 919-379-4092 x4092  
[jhester@wearcheckusa.com](mailto:jhester@wearcheckusa.com)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

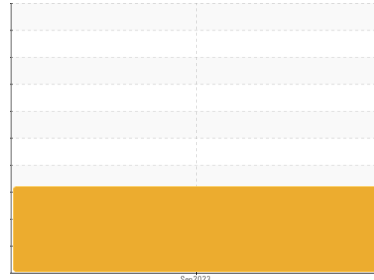
## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
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  
**5W40 BEAUDRY**  
 Component  
**New (Unused) Oil**  
 Fluid  
**{not provided} (--- QTS)**

## DIAGNOSIS

### ▲ Recommendation

This is a baseline read-out on the submitted sample. We advise that you check for the source of water entry.

### ▲ Contamination

Appearance is hazy. There is a moderate concentration of water present in the oil. There is a moderate amount of visible silt present in the sample.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0069445</b>	---	---
Sample Date	Client Info	<b>11 Sep 2023</b>	---	---
Machine Age	hrs Client Info	<b>0</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Chromium	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Nickel	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Titanium	ppm ASTM D5185m	<b>0</b>	---	---
Silver	ppm ASTM D5185m	<b>0</b>	---	---
Aluminum	ppm ASTM D5185m	<b>3</b>	---	---
Lead	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Copper	ppm ASTM D5185m	<b>1</b>	---	---
Tin	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Vanadium	ppm ASTM D5185m	<b>0</b>	---	---
Cadmium	ppm ASTM D5185m	<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>22</b>	---	---
Barium	ppm ASTM D5185m	<b>0</b>	---	---
Molybdenum	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Manganese	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Magnesium	ppm ASTM D5185m	<b>14</b>	---	---
Calcium	ppm ASTM D5185m	<b>1269</b>	---	---
Phosphorus	ppm ASTM D5185m	<b>664</b>	---	---
Zinc	ppm ASTM D5185m	<b>801</b>	---	---
Sulfur	ppm ASTM D5185m	<b>2571</b>	---	---

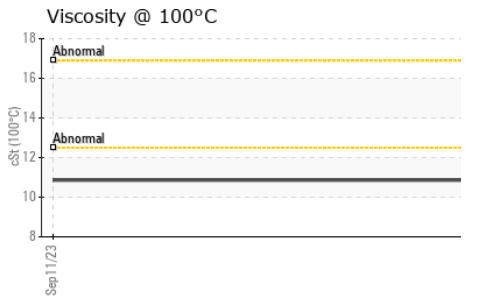
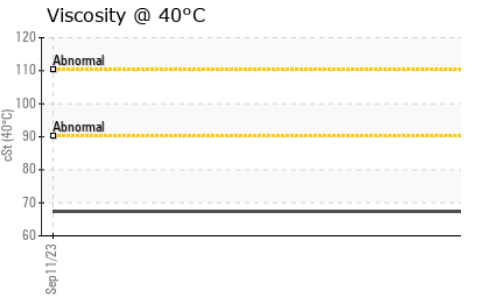
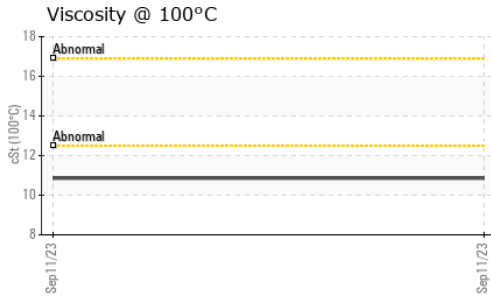
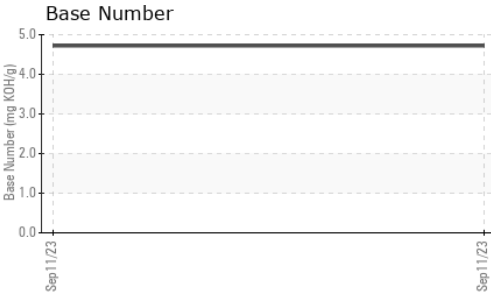
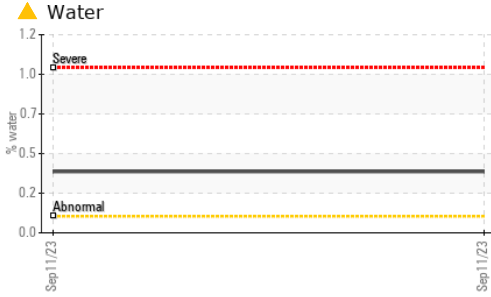
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	<b>2</b>	---	---
Sodium	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Potassium	ppm ASTM D5185m >20	<b>2</b>	---	---
Water	% ASTM D6304	<b>▲ 0.371</b>	---	---
ppm Water	ppm ASTM D6304	<b>▲ 3710</b>	---	---

## FLUID DEGRADATION



method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	<b>1.37</b>	---	---
Base Number (BN)	mg KOH/g ASTM D2896	<b>4.72</b>	---	---

# OIL ANALYSIS REPORT

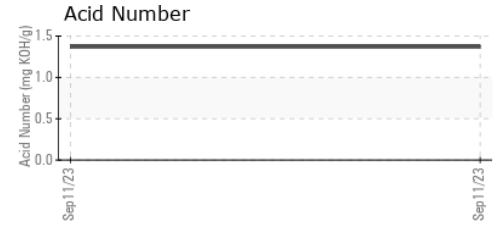
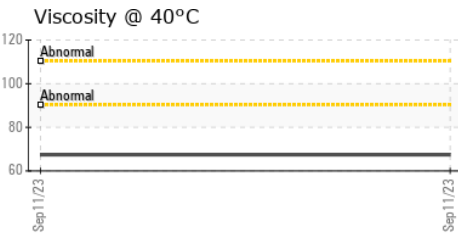
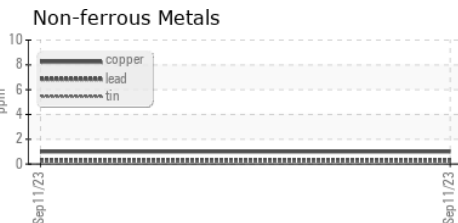
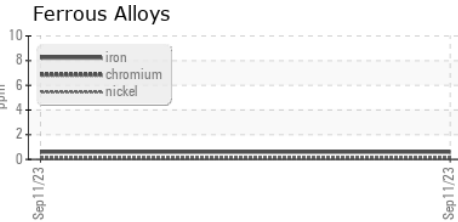


VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	▲ MODER	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	67.41	---	---
Visc @ 100°C	cSt	ASTM D445	10.86	---	---
Viscosity Index (VI)	Scale	ASTM D2270	151	---	---

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0069445 **Received** : 12 Sep 2023  
**Lab Number** : 05949710 **Diagnosed** : 18 Sep 2023  
**Unique Number** : 10645669 **Diagnostician** : Jonathan Hester  
**Test Package** : FLEET ( Additional Tests: FT-IR, ICP-NewOil, KF, KV100, PrtCount, TBN, VI )

**BEAUDRY OIL & PROPANE**  
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 ELK RIVER, MN  
 US 55330  
 Contact: JIM KERNS  
 jimk@beaudryoil.com  
 T:  
 F: (763)633-1432

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)