



# OIL ANALYSIS REPORT

Sample Rating Trend



OFF SPEC



Machine Id  
**FUQUAY BARRELL 1**  
 Component  
**Diesel Exhaust Fluid (DEF)**  
 Fluid  
**DEF (Diesel Exhaust Fluid) (--- GAL)**

## DIAGNOSIS

### Recommendation

Fluid does not meet ISO 22241-2 requirements. Contact supplier.

### Contamination

Appearance is unacceptable. There is a moderate amount of visible sediment present in the sample. Suspect urea precipitate due to overconcentration..

### Fluid Condition

The diesel exhaust fluid (def) density and refractivity are higher than normal. Urea content is high.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC05935098</b>	---	---
Sample Date	Client Info		<b>24 Aug 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>SEVERE</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Hydrocarbon	scalar	*In-House	<b>NONE</b>	---	---

## VISUAL

	method	limit/base	current	history1	history2
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>MODER</b>	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---
Appearance	scalar	*Visual	NORML	<b>HAZY</b>	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---
Emulsified Water	scalar	*Visual		<b>NEG</b>	---
Free Water	scalar	*Visual		<b>NEG</b>	---

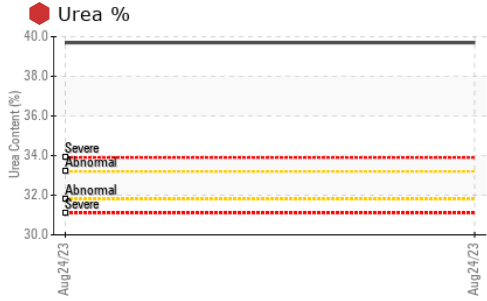
## FLUID PROPERTIES

	method	limit/base	current	history1	history2
Urea Content	%	ISO 22241	<31.8	<b>39.7</b>	---
Density @ 20°C	g/cm3	ISO 22241	>1.0930	<b>1.1751</b>	---
Refracting Index		ISO 22241	<1.3814	<b>1.3943</b>	---
Appearance	scalar	*Visual		<b>Cloudy</b>	---

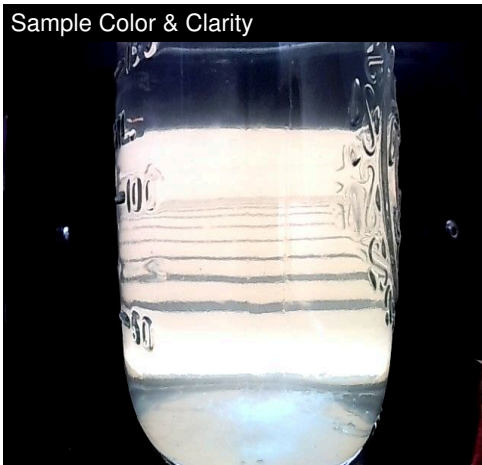
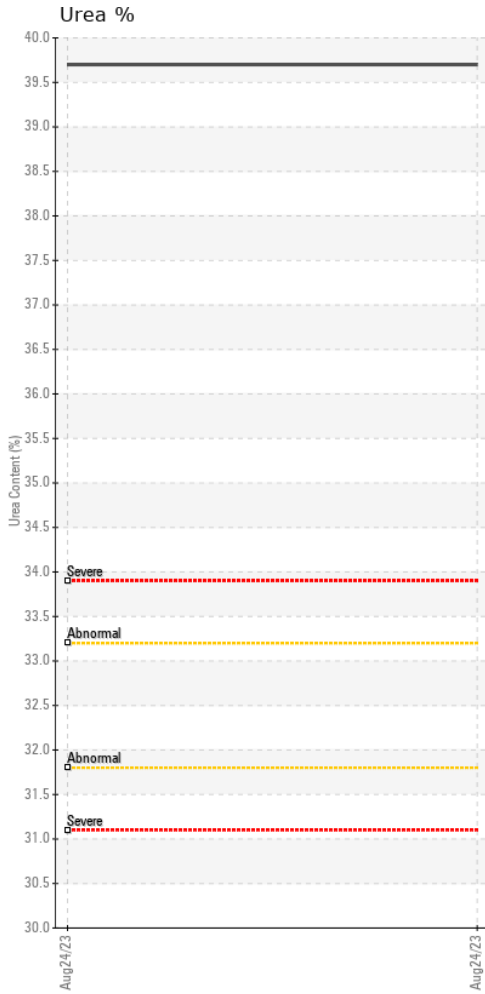
## SAMPLE IMAGES

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

# OIL ANALYSIS REPORT



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC05935098      **Received** : 25 Aug 2023  
**Lab Number** : 05935098      **Tested** : 01 Sep 2023  
**Unique Number** : 10620369      **Diagnosed** : 01 Sep 2023 - Doug Bogart  
**Test Package** : DEF 1 ( Additional Tests: KF, SCREEN )

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)

**QUALITY EQUIPMENT**  
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 WILSON, NC  
 US 27893

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T:  
F: