



# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area

[172066-N2SV4R]

Machine Id

FORKLIFT 83282 EAST TEST ROOM - TRONAIR

Component

Diesel Exhaust Fluid (DEF)

Fluid

DEF (Diesel Exhaust Fluid) (--- GAL)

## DIAGNOSIS

### Recommendation

Fluid meets ISO 22241-2 requirements and is suitable for use. We advise that you filter this fluid before use.

### Wear

{not applicable}

### Contamination

There is a high amount of particulates present in the diesel exhaust fluid (def). Appearance is acceptable.

### Fluid Condition

Urea content is normal.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PH05997073	---	---
Sample Date	Client Info			13 Oct 2023	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed	Client Info			N/A	---	---
Sample Status				ABNORMAL	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Hydrocarbon	scalar	*In-House		NONE	---	---

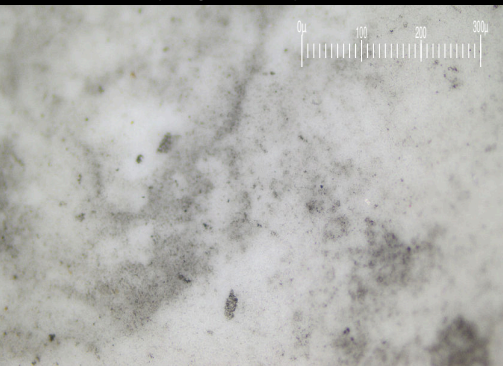
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	▲ 8656	---	---
Particles >6µm		ASTM D7647	>640	▲ 4716	---	---
Particles >14µm		ASTM D7647	>80	▲ 803	---	---
Particles >21µm		ASTM D7647	>20	▲ 270	---	---
Particles >38µm		ASTM D7647	>4	▲ 42	---	---
Particles >71µm		ASTM D7647	>3	▲ 4	---	---
Oil Cleanliness		ISO 4406 (c)	>17/16/13	▲ 20/19/17	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Urea Content	%	ISO 22241	<31.8	32.0	---	---
Density @ 20°C	g/cm3	ISO 22241	>1.0930	1.0871	---	---
Refracting Index		ISO 22241	<1.3814	1.3816	---	---
Appearance	scalar	*Visual		Clear & Bright	---	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
---------------	--	--------	------------	---------	----------	----------

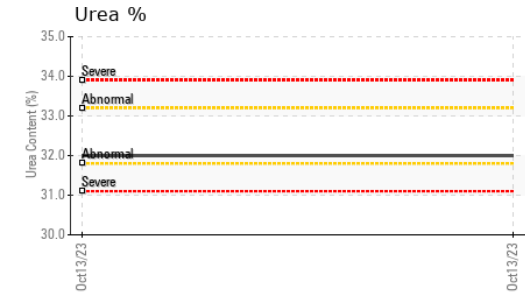
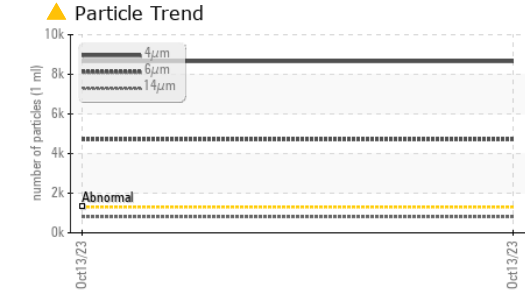
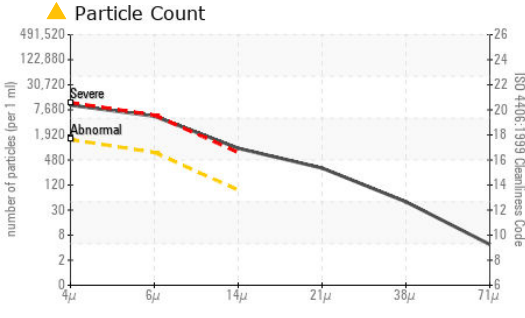
Color					no image	no image
Bottom					no image	no image
PrtFilter					no image	no image

Particle Filter (Magn: 200 x)

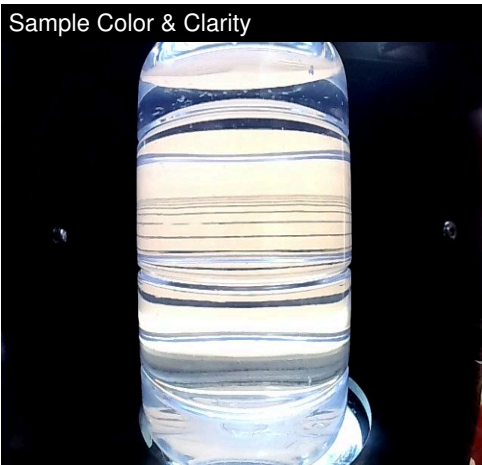
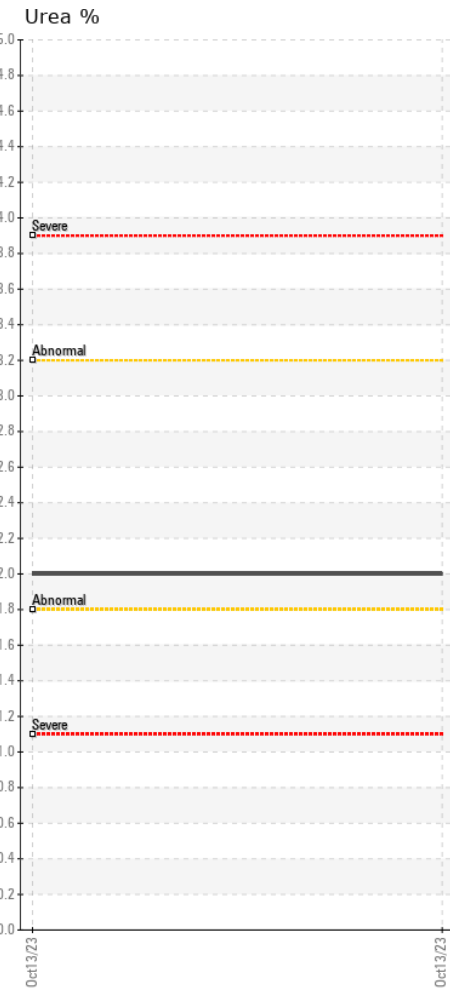




# OIL ANALYSIS REPORT



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PH05997073 **Received** : 02 Nov 2023  
**Lab Number** : **05997073** **Diagnosed** : 20 Nov 2023  
**Unique Number** : 10725433 **Diagnostician** : Doug Bogart  
**Test Package** : DEF 1 ( Additional Tests: ICP, KF, KV40, PrtCount, PrtFilter, PrtFilterPic, SCREEN, TAN M&D)

**GREGORY POOLE**  
 116-A LIBERTY RD NE  
 ROANOKE, VA  
 US 24012  
 Contact: PHILIP DOOLITTLE  
 philip.doolittle@gregpoole.com  
 T: (540)265-5757  
 F:

*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)