

## **FUEL REPORT**

# FUEL REPUR

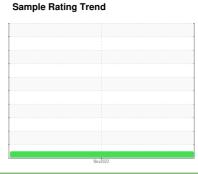


Area [2022213] Machine Id ....

# Caterpillar Catalent 7555 - EQ-003189

Component
Diesel Fuel

diesel fuel (--- GAL)





#### DIAGNOSIS

#### Recommendation

All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel. (Customer Sample Comment: Fuel sample for EQ-003189)

### Corrosion

All metal levels are normal indicating no corrosion in the system.

#### Contaminants

The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample.

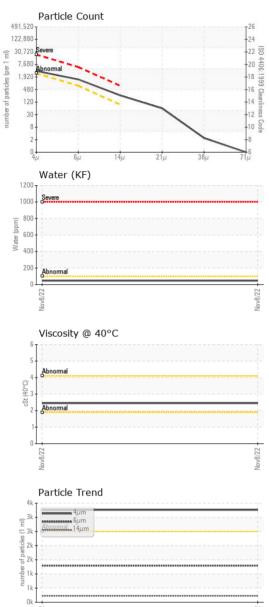
### **Fuel Condition**

Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

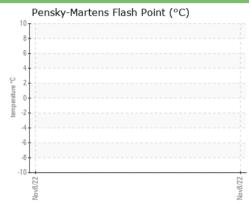
				Nov2022		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		DC0023866		
Sample Date		Client Info		08 Nov 2022		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROF	PERTIES	method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		L4.0		
Visc @ 40°C	cSt	ASTM D445		2.45		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		10		
Sulfur (UVF)	ppm	ASTM D5453		9		
IGNITION QUALI	TY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		36.9		
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<1		
Sodium	ppm	ASTM D5185m	<0.1	0		
Potassium	ppm	ASTM D5185m	< 0.1	0		
Water	%	ASTM D6304	< 0.05	0.004		
ppm Water	ppm	ASTM D6304	< 500	46.6		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	3261		
Particles >6µm		ASTM D7647	>640	1293		
Particles >14µm		ASTM D7647	>80	222		
Particles >21µm		ASTM D7647	>20	53		
Particles >38µm		ASTM D7647	>4	2		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	19/17/15		
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0		
Nickel	ppm	ASTM D5185m		0		
Lead	ppm	ASTM D5185m	<0.1	0		
Vanadium	ppm	ASTM D5185m		0		
Iron	ppm	ASTM D5185m	<0.1	0		
Calcium	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	<0.1	0		
Phosphorus	ppm	ASTM D5185m		4		
Zinc	ppm	ASTM D5185m	< 0.1	0		



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SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image
GRAPHS						







Laboratory Sample No. Lab Number Unique Number : 10221767

: DC0023866 : 05697194

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Nov 2022 Diagnosed : 24 Nov 2022 Diagnostician : Doug Bogart

Test Package : MOB 2 ( Additional Tests: API, Cetane, Color-ASTM, Fuel, GC-PercFuel, KF, PrtCount, XRF )

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) **JE RICHARDS** 

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F: