

# **FUEL REPORT**



**WATER** 



# **CUMMINS Onsort Material Cummins**

Component

**Diesel Fuel** 

No.2 DIESEL FUEL (ULTRALOW SULPHUR)

## **DIAGNOSIS**

#### Recommendation

We advise that you check for the source of water entry. We advise that you filter this fluid before use. We advise that you follow the water drain-off procedure for this component. We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

#### Corrosion

{not applicable}

### Contaminants

There is a light amount of silt (particulates < 14 microns in size) present in the fuel. There is a moderate concentration of water present in the fuel. There is no bacteria or fungus (yeast and/or mold) present in the sample.

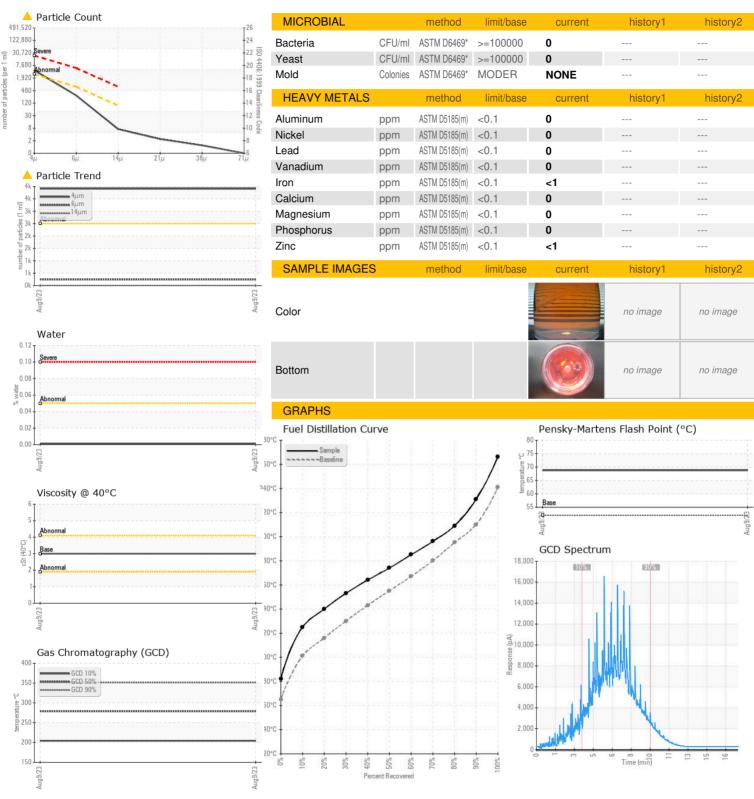
#### **Fuel Condition**

All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel (US EPA/CGSB-3.517-3 type B).

R) ( GAL)			,	Aug2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0849208		
Sample Date		Client Info		09 Aug 2023		
Machine Age	hrs	Client Info		0		
Sample Status				ABNORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.845		
Fuel Color	text	Visual Screen*	Yllow	Red		
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	3		
Pensky-Martens Flash Point	°C	ASTM D7215*	52	68.8		
SULFUR CONTEN		method	limit/base			
				current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	13		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	182		
5% Distillation Point	°C	ASTM D2887*		214		
10% Distill Point	°C	ASTM D2887*	201	225		
15% Distillation Point	°C	ASTM D2887*		233		
20% Distill Point	°C	ASTM D2887*	216	240		
30% Distill Point	°C	ASTM D2887*	230	253		
40% Distill Point	°C	ASTM D2887*	243	264		
50% Distill Point	°C	ASTM D2887*	255	274		
60% Distill Point	°C	ASTM D2887*	267	285		
70% Distill Point	°C	ASTM D2887*	280	296		
80% Distill Point	°C	ASTM D2887*	295	309		
85% Distillation Point	°C	ASTM D2887*		320		
90% Distill Point	°C	ASTM D2887*	310	331		
95% Distillation Point	°C	ASTM D2887*		350		
Final Boiling Point	°C	ASTM D2887*	341	366		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	35		
Cetane Index		ASTM D4737*	<40.0	50		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	1		
Sodium	ppm	ASTM D5185(m)	<0.1	<1		
Potassium	ppm	ASTM D5185(m)	<0.1	<1		
Water	%	ASTM D6304*	< 0.05	0.001		
ppm Water	ppm	ASTM D6304*	<500	13.3		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	<b>△</b> 3911		
Particles >6µm		ASTM D7647	>640	246		
Particles >14µm		ASTM D7647	>80	6		
Particles >21µm		ASTM D7647	>20	2		
Particles >38µm		ASTM D7647	>4	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<u> </u>		



## **FUEL REPORT**





CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number **Unique Number** 

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0849208

Received Diagnosed : 02578270 : 5631330

: 24 Aug 2023 : 01 Sep 2023 Diagnostician : Kevin Marson

**Test Package**: FUEL (Additional Tests: Bacteria, CC Flash, Cool, GC-PercFuel, Hardness, PrtCount)

Contact: Dan Hammond danh@cfgroups.com

**CF Industrial Products Inc.** 

T: (519)564-2241 F: (519)322-2916

1928 Road 3 East

Kingsville, ON

CA N9Y 2E5

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.