

## **FUEL REPORT**

#### Area [AU133227] Machine Id PERKINS BELL GUYSBOROUGH Component

**Diesel Fuel** 

Fluic

### No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)

#### 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.

#### Corrosion

{not applicable}

#### Contaminants

There is a moderate amount of particulates (2 to 100 microns in size) present in the fuel. Free water present. 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).

) ( GAL)				0ct2023		
SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		CU0020250		
Sample Date		Client Info		18 Oct 2023		
Machine Age	hrs	Client Info		6		
Sample Status	IIIO			ABNORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.848		
Fuel Color	text	Visual Screen*	Yllow	Yllow		
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.7		
Pensky-Martens Flash Point	°C	ASTM D7215*	52	62.2		
	-					
SULFUR CONTER	NI	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	10		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	173		
5% Distillation Point	°C	ASTM D2887*		196		
10% Distill Point	°C	ASTM D2887*	201	208		
15% Distillation Point	°C	ASTM D2887*		216		
20% Distill Point	°C	ASTM D2887*	216	224		
30% Distill Point	°C	ASTM D2887*	230	238		
40% Distill Point	°C	ASTM D2887*	243	249		
50% Distill Point	°C	ASTM D2887*	255	261		
60% Distill Point	°C	ASTM D2887*	267	273		
70% Distill Point	°C	ASTM D2887*	280	285		
30% Distill Point	°C	ASTM D2887*	295	299		
85% Distillation Point	°C	ASTM D2887*		309		
90% Distill Point	°C	ASTM D2887*	310	320		
95% Distillation Point	°C	ASTM D2887*		338		
Final Boiling Point	°C	ASTM D2887*	341	362		
IGNITION QUALIT	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	35		
Cetane Index		ASTM D1290 ASTM D4737*	<40.0	45		
CONTAMINANTS		method	limit/base		history1	history2
	0.055			current		
Silicon	ppm	ASTM D5185(m)	<1.0	0		
Sodium	ppm	ASTM D5185(m)	<0.1	<1		
Potassium	ppm	ASTM D5185(m)	<0.1	0		
Water ppm Water	%	ASTM D6304* ASTM D6304*	<0.05 <500	0.004 47.7		
	ppm					
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	<u> </u>		
Particles >6µm		ASTM D7647		<u> </u>		
Particles >14µm		ASTM D7647	>80	<u> </u>		
Particles >21µm		ASTM D7647	>20	<u> </u>		
Particles >38µm		ASTM D7647	>4	2		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<u> </u>		

Contact/Location: Maurice Connolly - CUMDAR



Sample Rating Trend

WATER



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