

## **FUEL REPORT**

Sample Rating Trend



#### Area [132361] Machine Id MUNICIPAL OFFICE Component

Diesel Fuel Fluid No.2 DIESEL FUEL (LOW-SULPHUR) (--- GAL)

#### DIAGNOSIS

#### Recommendation

Laboratory test indicate that this fuel is suitable for use and meets all test requirements. Resample at the next service interval to monitor.

#### Corrosion

{not applicable}

### Contaminants

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. There is no indication of any contamination in the diesel fuel.

#### **Fuel Condition**

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

AL)			May2021	0ct2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		CU0020256	CU0017399	
Sample Date		Client Info		22 Oct 2023	11 May 2021	
Machine Age	hrs	Client Info		0	0	
Sample Status				NORMAL	NORMAL	
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.835	0.828	
Fuel Color	text	Visual Screen*	Yllow	Orang	Orang	
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.2	1.9	
Pensky-Martens Flash Point	°C	ASTM D7215*	52	57.7	54.5	
SULFUR CONTER	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	250	51	12	
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	168	157	
5% Distillation Point	°C	ASTM D2887*		188	178	
10% Distill Point	°C	ASTM D2887*	201	198	189	
15% Distillation Point	°C	ASTM D2887*		206	195	
20% Distill Point	°C	ASTM D2887*	216	213	203	
30% Distill Point	°C	ASTM D2887*	230	227	217	
40% Distill Point	°C	ASTM D2887*	243	239	230	
50% Distill Point	°C	ASTM D2887*	255	251	243	
60% Distill Point	°C	ASTM D2887*	267	264	257	
70% Distill Point	°C	ASTM D2887*	280	277	270	
80% Distill Point	°C	ASTM D2887*	295	291	285	
85% Distillation Point	°C	ASTM D2887*		303	295	
90% Distill Point	°C	ASTM D2887*	310	314	309	
95% Distillation Point	°C	ASTM D2887*		333	333	
Final Boiling Point	°C	ASTM D2887*	341	355	366	
IGNITION QUALI	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	37	39	
Cetane Index		ASTM D4737*	<40.0	48	48	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	0	0	
Sodium	ppm	ASTM D5185(m)	<0.1	<1	<1	
Potassium	ppm	ASTM D5185(m)	<0.1	0	0	
Water	%	ASTM D6304*	<0.05	0.003	0.002	
ppm Water	ppm	ASTM D6304*	<500	27.6	20.9	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	1211	2145	
Particles >6µm		ASTM D7647	>640	408	266	
Particles >14µm		ASTM D7647	>80	25	6	
Particles >21µm		ASTM D7647		5	2	
Particles >38µm		ASTM D7647	>4	0	0	
Particles >71µm		ASTM D7647		0	0	
Oil Cleanliness		ISO 4406 (c)	>18/16/13	17/16/12	18/15/10	
1:31:54) Rev: 1				Contact/Lo	nation <sup>®</sup> Tanya Br	own - CLIMDAR

Contact/Location: Tanya Brown - CUMDAR



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