

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 [®] Tanya Br	own - CLIMDAR

Contact/Location: Tanya Brown - CUMDAR



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