

FUEL REPORT

Sample Rating Trend



KIOTI XY8600875

Component Diesel Fuel

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

DIAGNOSIS

Recommendation

Laboratory test indicate that this fuel is suitable for use and meets all test requirements. We advise that you filter this fluid before use. We recommend you service the filters on this component. Resample at the next service interval to monitor.

Corrosion

{not applicable}

Contaminants

There is a light amount of silt (particulates < 14 microns in size) present in the fuel. The water content is negligible.

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).

				Jan2U24		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KT0000826		
Sample Date		Client Info		11 Jan 2024		
Machine Age	hrs	Client Info		0		
Sample Status				ATTENTION		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.835		
Fuel Color	text	Visual Screen*	Yllow	Yllow		
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2		
Pensky-Martens Flash Point	°C	ASTM D7215*	52	55.1		
SULFUR CONTEN	١T	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	16		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	165		
5% Distillation Point	°C	ASTM D2887*		183		
10% Distill Point	°C	ASTM D2887*	201	193		
15% Distillation Point	°C	ASTM D2887*		201		
20% Distill Point	°C	ASTM D2887*	216	209		
30% Distill Point	°C	ASTM D2887*	230	224		
40% Distill Point	°C	ASTM D2887*	243	237		
50% Distill Point	°C	ASTM D2887*	255	250		
60% Distill Point	°C	ASTM D2887*	267	262		
70% Distill Point	°C	ASTM D2887*	280	274		
80% Distill Point	°C	ASTM D2887*	295	289		
85% Distillation Point	°C	ASTM D2887*		302		
90% Distill Point	°C	ASTM D2887*	310	314		
95% Distillation Point	°C	ASTM D2887*	0.44	337		
Final Boiling Point	°C	ASTM D2887*	341	367		
IGNITION QUALIT	٦Y	method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	37		
Cetane Index		ASTM D4737*	<40.0	47		
CONTAMINANTS		method	limit/base	current	history1	history2
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	%	ASTM D6304*	<0.05	0.003		
ppm Water	ppm	ASTM D6304*	<500	27		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	3817		
Particles >6µm		ASTM D7647	>640	421		
Particles >14µm		ASTM D7647	>80	8		
Particles >21µm		ASTM D7647	>20	3		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	19/16/10		

Contact/Location: Service Manager - ATL8MOU



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