

FUEL REPORT

Sample Rating Trend



Area [410224] Machine Id PQ0420

Component Diesel Fuel

No.2 DIESEL FUEL (ULTRALOW 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 ultra-low-sulfur diesel fuel (US EPA/CGSB-3.517-3 type B).

/(-		Jan2024		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		CU0021617		
Sample Date		Client Info		08 Jan 2024		
Machine Age	hrs	Client Info		3		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.834		
Fuel Color	text	Visual Screen*	Yllow	Orang		
/isc @ 40°C	cSt	ASTM D7279(m)	3.0	2.2		
Pensky-Martens Flash Point	°C	ASTM D7215*	52	48.4		
SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	12		
DISTILLATION		method	limit/base	current	history1	history2
nitial Boiling Point	°C	ASTM D2887*	165	155		
5% Distillation Point	°C	ASTM D2887*		176		
10% Distill Point	°C	ASTM D2887*	201	185		
5% Distillation Point	°C	ASTM D2887*		194		
20% Distill Point	°C	ASTM D2887*	216	202		
30% Distill Point	°C	ASTM D2887*	230	218		
10% Distill Point	°C	ASTM D2887*	243	233		
50% Distill Point	°C	ASTM D2887*	255	248		
60% Distill Point	°C	ASTM D2887*	267	264		
70% Distill Point	°C	ASTM D2887*	280	280		
80% Distill Point	°C	ASTM D2887*	295	298		
5% Distillation Point	°C	ASTM D2887*		310		
0% Distill Point	°C	ASTM D2887*	310	322		
95% Distillation Point	°C	ASTM D2887*		342		
Final Boiling Point	°C	ASTM D2887*	341	373		
IGNITION QUALIT	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	38		
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		
Vater	%	ASTM D6304*	<0.05	0.014		
opm Water	ppm	ASTM D6304*	<500	144		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	153		
Particles >6µm		ASTM D7647	>640	60		
Particles >14µm		ASTM D7647	>80	13		
Particles >21µm		ASTM D7647	>20	3		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647	>3	0		
Dil Cleanliness		ISO 4406 (c)	>18/16/13	14/13/11		
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Contact/Location: Jean Verret - DIESTE



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