

FUEL REPORT

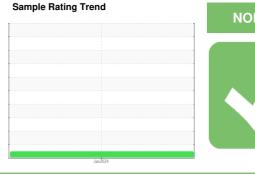
NDT

STBD MAIN ENG MGO

Component

Starboard Diesel Fuel

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





Di/ (di 10010

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).

R) (GAL)				Jan 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PP		
Sample Date		Client Info		07 Jan 2024		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.845		
Fuel Color	text	Visual Screen*	Yllow	Yllow		
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.8		
Pensky-Martens Flash Point	°C	ASTM D7215*	52	63.6		
SULFUR CONTE	VT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	8		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	174		
5% Distillation Point	°C	ASTM D2887*		196		
10% Distill Point	°C	ASTM D2887*	201	208		
15% Distillation Point	°C	ASTM D2887*		217		
20% Distill Point	°C	ASTM D2887*	216	225		
30% Distill Point	°C	ASTM D2887*	230	241		
40% Distill Point	°C	ASTM D2887*	243	254		
50% Distill Point	°C	ASTM D2887*	255	267		
60% Distill Point	°C	ASTM D2887*	267	280		
70% Distill Point	°C	ASTM D2887*	280	294		
80% Distill Point	°C	ASTM D2887*	295	309		
85% Distillation Point	°C	ASTM D2887*		320		
90% Distill Point	°C	ASTM D2887*	310	331		
95% Distillation Point	°C	ASTM D2887*		349		
Final Boiling Point	°C	ASTM D2887*	341	376		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	35		
Cetane Index		ASTM D4737*	<40.0	48		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	0		
Sodium	ppm	ASTM D5185(m)	< 0.1	0		
Potassium	ppm	ASTM D5185(m)	<0.1	0		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	106		
Particles >6µm		ASTM D7647	>640	40		
Particles >14μm		ASTM D7647	>80	5		
Particles >21µm		ASTM D7647	>20	1		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647		0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	14/12/10		



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