

## FUEL REPORT

#### Area [450191501] Machine Id MPG Component

### Starboard Diesel Fuel Fluid MARINE DIESEL DMA (--- GAL)

#### DIAGNOSIS

#### A 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.

				Aug2023		
SAMPLE INFORM		method	limit/base	current	history1	history2
Sample Number		Client Info		PC0052570		
Sample Date		Client Info		22 Aug 2023		
Machine Age	hrs	Client Info		0		
Sample Status				ATTENTION		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.869	0.850		
Fuel Color	text	Visual Screen*	Clear	Orang		
Visc @ 40°C	cSt	ASTM D7279(m)	5.74	3.3		
Pensky-Martens Flash Point	°C	ASTM D7215*	73.0	65.9		
SULFUR CONT	ENT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	730	275		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	171	176		
5% Distillation Point	°C	ASTM D2887*	17.1	200		
10% Distill Point	°C	ASTM D2887*	214	212		
15% Distillation Point	°C	ASTM D2887*	- I T	212		
20% Distill Point	°C	ASTM D2887*		232		
30% Distill Point	°C	ASTM D2887*		252		
40% Distill Point	°C	ASTM D2007 ASTM D2887*		267		
50% Distill Point	°C	ASTM D2887*	323	282		
60% Distill Point	°C	ASTM D2007 ASTM D2887*	020	299		
70% Distill Point	°C	ASTM D2887*		316		
80% Distill Point	°C	ASTM D2007 ASTM D2887*		337		
85% Distillation Point	°C	ASTM D2887*		351		
90% Distill Point	°C	ASTM D2007 ASTM D2887*	398	366		
95% Distillation Point	°C	ASTM D2887*	390	390		
Final Boiling Point	°C	ASTM D2007 ASTM D2887*	415	408		
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IGNITION QUA	LIIY	method	limit/base	current	history1	history2
API Gravity		ASTM D1298*		34		
Cetane Index		ASTM D4737*	<40.0	49		
CONTAMINAN	TS	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	<1		
Water	%	ASTM D6304*	<0.05	0.004		
ppm Water	ppm	ASTM D6304*	<500	43.5		
FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	<b>A</b> 3230		
Particles >6µm		ASTM D7647	>640	558		
Particles >14µm		ASTM D7647	>80	27		
Particles >21µm		ASTM D7647	>20	5		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<b>  19/16/12</b>		

Sample Rating Trend

ISO

Contact/Location: Deanne Badcock - TERHAM



🔺 Particle Count

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