

PROPELLER TEST

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BOAT DATA:

Bavaria 56 Hull # 1

L.W.L.. 14.96 meter

Depl. 20.0 ton

ENGINE DATA:

Yanmar 4JH4-HTE

110 HP @ 3200 RPM

Gear ratio: 2.63:1

TEST PROPELLERS:

3 Blade Fixed propeller 22 x 17 RH

3 Blade Gori propeller 24 x 15 RH

COMMENTS:

Speed measured by GPS

Engine rpm checked with tachometer on fly wheel,

TEST DATE & PLACE:

March 12th. 2013, Izmir, Turkey

TEST CONDITION:

Sunny and windy, with waves between 1.0 and 1.5 meter.

TEST RESULT NOTES:

Engine rpm are measured on the fly wheel with a +/- 20 variation from the rpm shown on the engine tachometer.

In the area around 3000 rpm. The noise level increased with both the fixed propeller and the 3 blade Gori folding propeller

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PARTICIPANTS:

Sune Ehrenskjöld, Gori propeller a/s
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TEST DATA:

Bavaria 56 , Hull # 1, equipped with Yanmar 4JH4-HTE

3 Blade Fixed propeller 22 x 16 RH

3 blade Gori propeller 24 x 15 RH

Engine Rpm.	Fixed Propeller:	Gori normal:	Gori Overdrive:
1000 Rpm +/- 20			
1200			
1400			
1600			
1800			7.19
2000	5.98	6.98	7.73
2200	6.55	7.19	8.53
2400	6.96	7.88	9.01
2600	7.39	8.34	9.12
2800	7.92	8.58	N/A
3000	8.37	8.73	N/A
3200	8.78	8.78	
3500 Max.	9.41		
3414 Max.		8.54	
2688 Max.			9.12

Due to windy conditions, crash stops were not conducted.