



Sea Trial Data Request Form

Ideally choose a calm day to perform your sea trial. If this is not possible then repeat the trial three times once into wind, once down wind and once across the wind. Start by motoring at tick over speed, note the rpm and hull speed through the water (not by GPS) then increase the rpm by approximately 200RPM. Let the hull speed settle down, once settled note on the **graph below** the result. Repeat at approximately 200 rpm increments until the engine is running at max rpm (flat out), this should result in a set of figures as shown in the example below. **Please send this data sheet back to Darglow. We can then determine how the prop is currently performing and what the effect of any pitch change would be.**

Example engine rpm	Example hull speed result	Customer engine rpm	Customer hull speed result
Tick over	2.0		
1000	2.5		
1200	2.8		
1400	3.0		
1600	3.8		
1800	4.2		
2000	4.6		
2200	5.3		
2400	5.6		
2600	6.0		
2800	6.3		
3000	6.5		
3200	6.7		
3400	6.9		
Max rpm 3600	7.0		
Customer name			
Customer contact details			
Vessel type			
Engine hp/max rpm			
Gearbox gear reduction ratio			
Water line length			
Displacement weight			

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