## "THE PESSIMIST COMPLAINS ABOUT THE WIND;

## THE OPTIMIST EXPECTS IT TO CHANGE;

THE REALIST ADJUSTS THE SAILS."

WILLIAM A.WARD









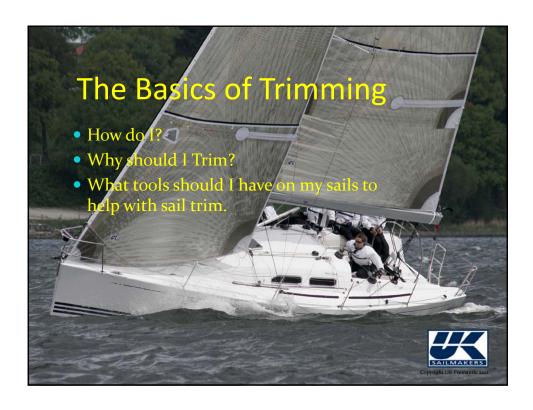
Sailmaking for 30 years

Key West Race week Block Island Race week

#### Races Sailed

All Western Australian Offshore Races
Italian IOR circuit's 1988-1989
Southern Cross Cups
1989 Admirals Cup including The Fastnet race.
10 Sydney to Hobart's, including the 1998 race.
Giro de Italia
International Match Racing
Many Raja Muda Series Malaysia
Many Kings Cups Thailand
Transpac ( LA to Hawaii)
2 x Sydney to Southport
Hamilton Island Race Week



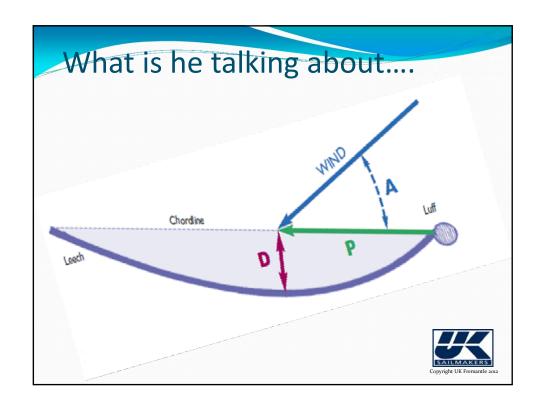


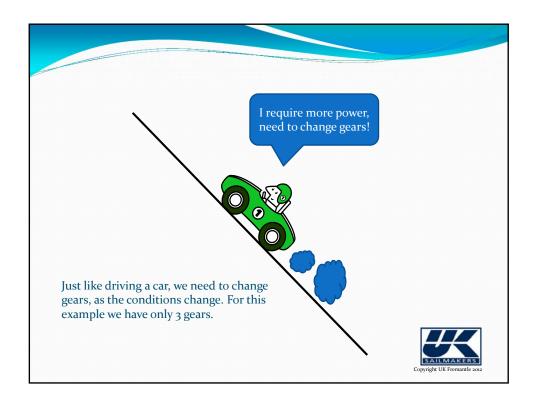


# Why?

- Wind speed and angle is always varying
- Waves or current varies
- Mast and rig may be different from tack to tack
- Helmsperson may have changed.
- Because we want to sail fast and comfortably







# 1st gear

# For light airs (under powered)

- Deeper sail plan. Fuller entry. Especially in chop.
- More twist
- Prioritise speed above height
- Release Backstay
- Set boom on or just below centre line
- Try to heel the boat a little
- Keep crew movement down and move slowly
- All leech tell tales should be flowing (Not hiding)
- Usually less than 8 knots.



# 2<sup>nd</sup> gear

# Moderate wind (full power)

- Keep Boat flat, crew weight.
- Tight leech
- Boom in Middle
- Top leech tell tales, hiding half the time
- Max Speed, with height trim (Jib tell tales 45 degrees up)
- Flatter sail plan
- Wind speed between 8 to 15 Knots.



## 3<sup>rd</sup> gear

# Heavy wind (over powered)

- Reduce heel
- Flatten Sails (backstay, sheet tension, car position)
- Twist sails
- Sail to the conditions, keep helm balanced
- Helmsman sail to telltales & keep constant heel angle
- Trim to what feels fast.
- In waves, sail to a slightly larger wind angle
- Wind speed above 15knots.



