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Exercise Assumptions

- 1) Wind Strength is 12 30 knots
- 2) Wind direction is adverse to docking
 - Cross winds
 - Wind pinning to the T-Dock
 - Wind is windward to the T-Dock
 - Wind is additive to the current conditions
- 3) No dockhands to assist

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Basic Strategy

- 1) Stern to windward
- 2) Stop the vessel
- 3) No Running

Basic Strategy - Rationale

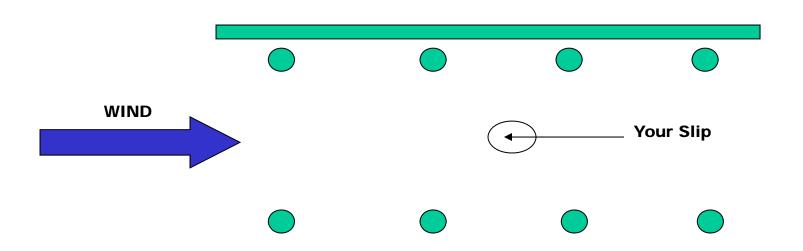
- 1) Stern to windward
 - Vessel speeds are low
 - Bow does not blow off with wind
 - Boat acts as weather vane
 - Vessel can 'reverse' quickly away from danger (pilings) by simple placing in forward.
- 3) Helmsman is close to pilings for attaching lines.
- 4) Engine rpms are adjusted to wind conditions

Basic Strategy

1) Stop the boat

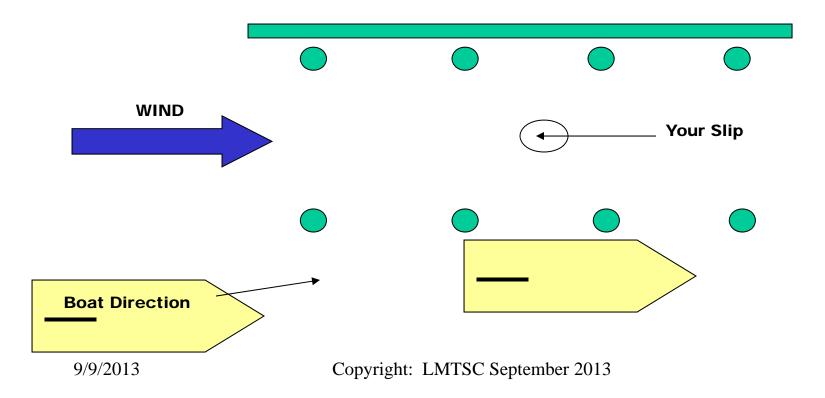
- Make the boat fast to a windward piling or cleat.
 - Allows for time to set and/or reset spring or warp lines.
 - There is no need to 'run' on the deck.
 - Line handling and setting is easier and there is time to re-tie, re-set, adjust the lines properly.

1st Exercise Warping into a slip

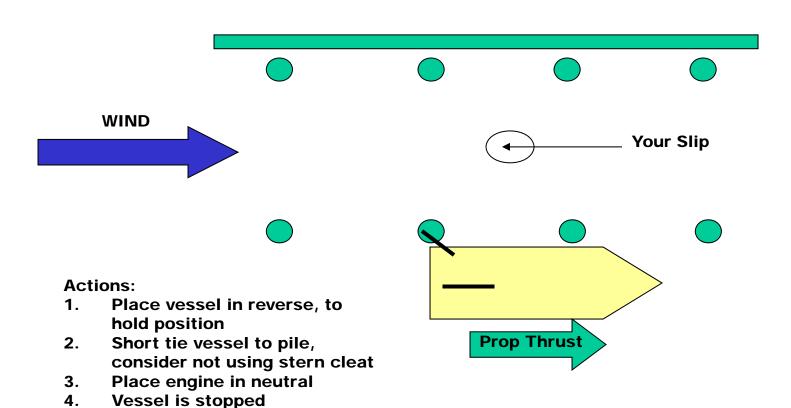


1st Exercise Warping into a slip

Caution: Watch for vessels protruding beyond their pilings



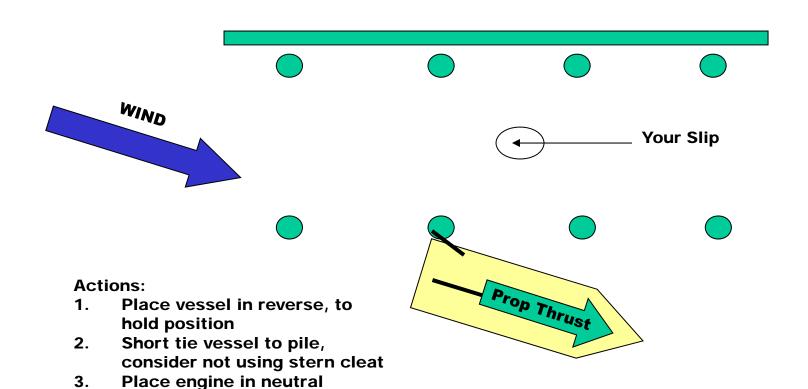
1st Exercise Warping into a slip



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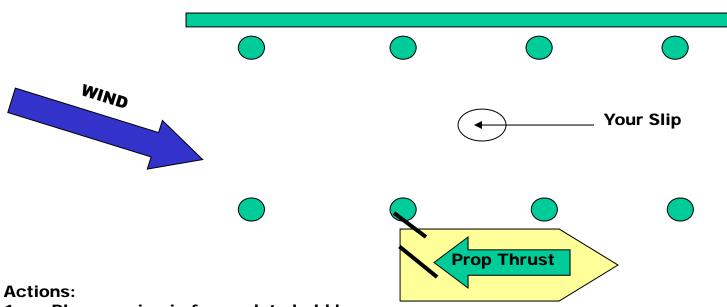
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1st Exercise Warping into a slip



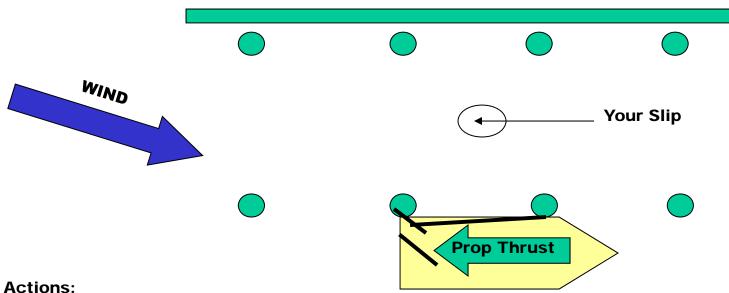
Vessel is stopped

1st Exercise Warping into a slip



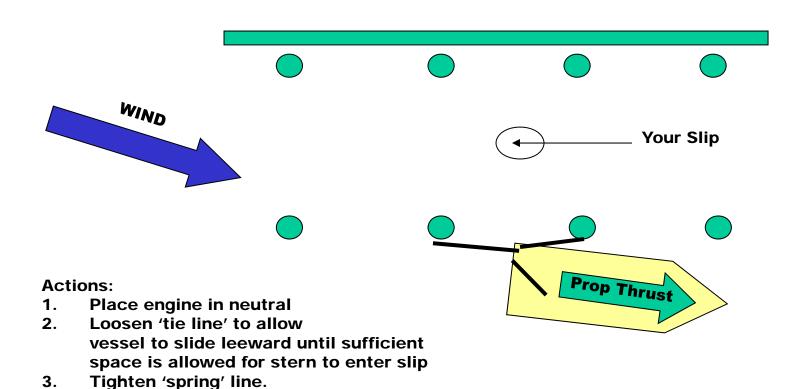
- Place engine in forward, to hold bow **Against piling**
- 2. Leave engine in forward, low rpms
- **Vessel is stopped** 3.

1st Exercise Warping into a slip

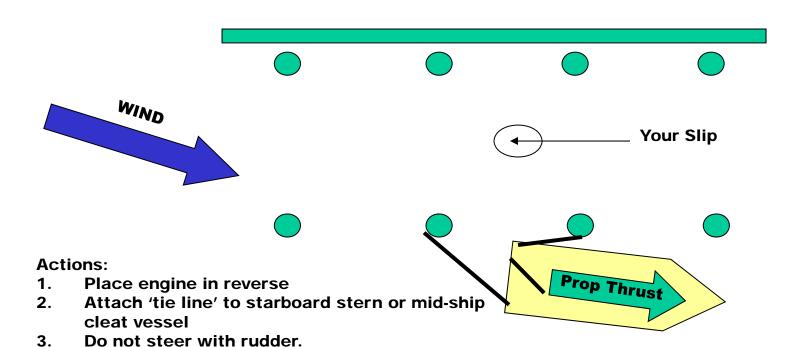


- If necessary, leave engine in forward to keep bow against piling
- **Helm locked to port** 2.
- Make fast spring line from leeward piling to stern cleat / winch. 9/9/2013

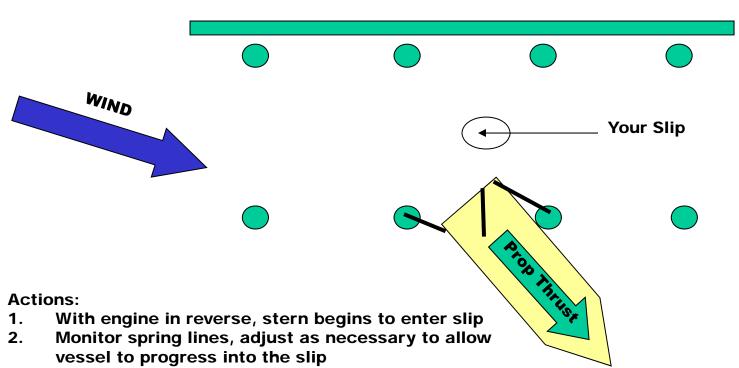
1st Exercise Warping into a slip



1st Exercise Warping into a slip

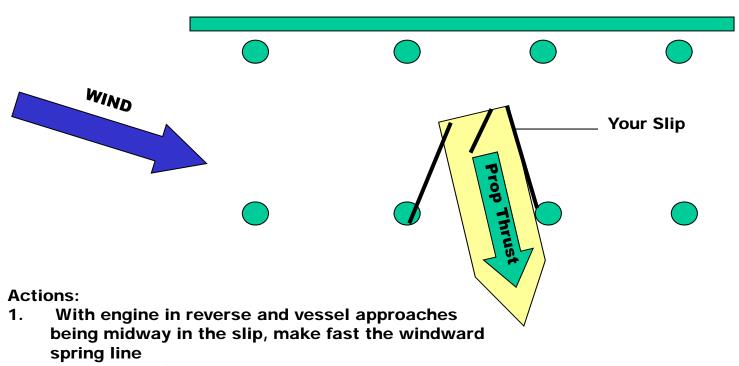


1st Exercise Warping into a slip



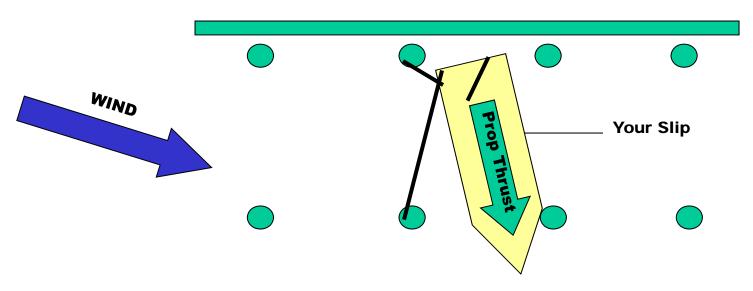
3. Do not steer with rudder.

1st Exercise Warping into a slip



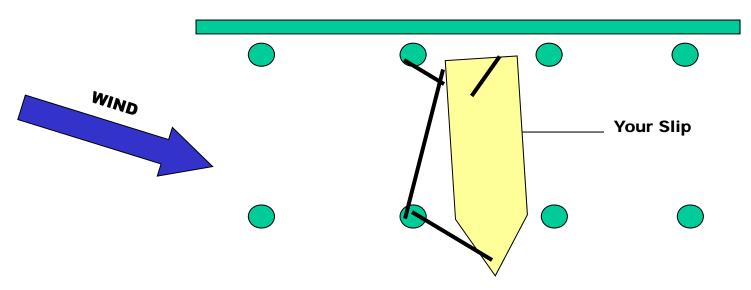
- 2. Ease leeward spring.
- 3. Do not steer with rudder. 9/9/2013

1st Exercise Warping into a slip



- 1. With engine in reverse and adjust engine speed to attach stern line to piling.
- 2. When stern line attached, engine to neutral

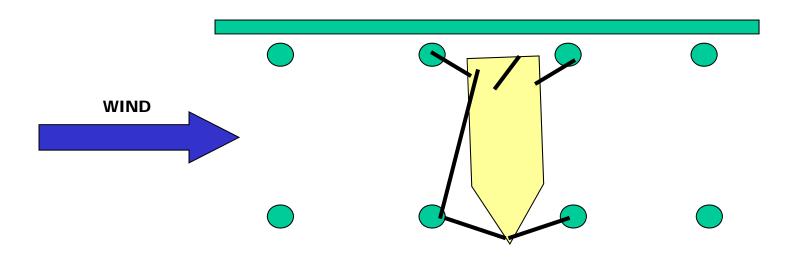
1st Exercise Warping into a slip



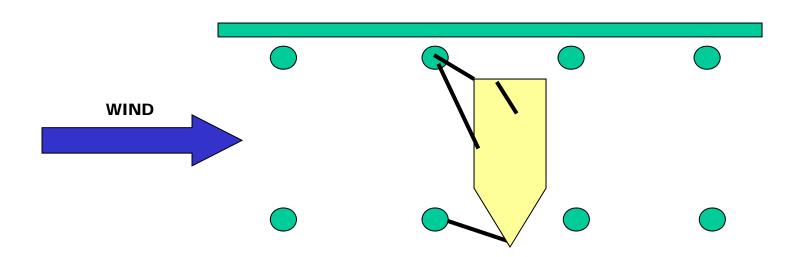
Actions:

1. With engine in neutral and attach windward bow line, and then leeward lines.

2nd Exercise Warping out of a slip

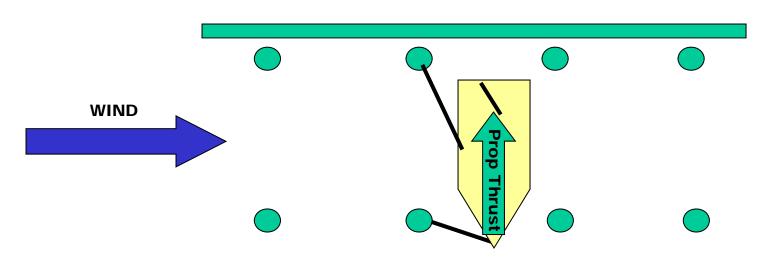


2nd Exercise Warping out of a slip



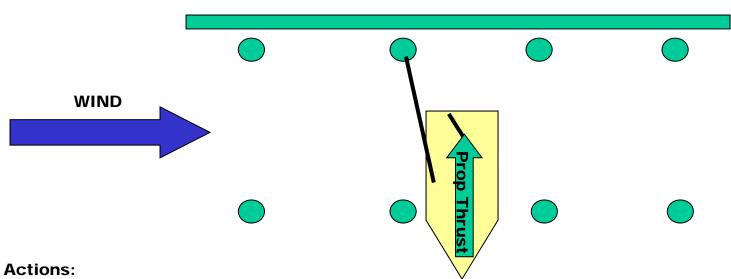
- 1. Remove port mooring lines and forward mooring spring line
- 2. Attached aft spring line to midship cleat, set for release and retrieval

2nd Exercise Warping out of a slip



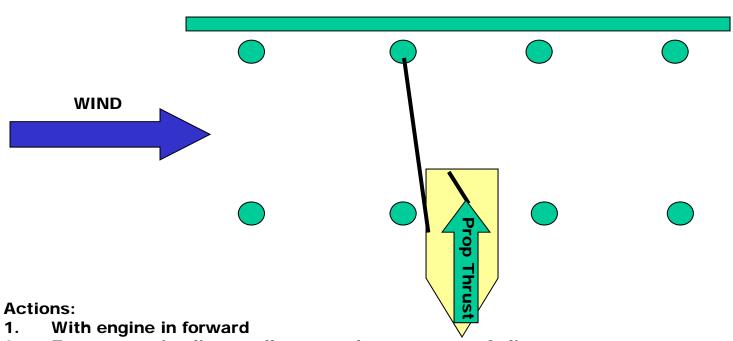
- 1. Remove stern mooring line
- 2. Place engine in idle forward
- 3. Lock helm starboard
- 4. Adjust engine rpm to bring vessel to windward pilings

2nd Exercise Warping out of a slip



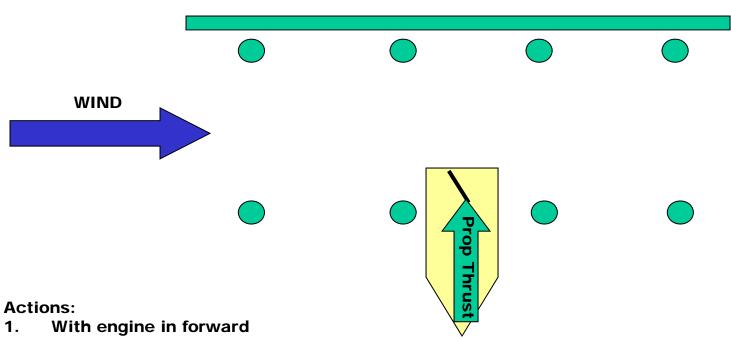
- 1. With engine in forward
- 2. Ease out spring line to allow vessel to move out of slip
- 3. Remove forward mooring line
- 4. Adjust engine rpm to keep vessel to windward pilings
- 5. Adjust helm to straighten vessel in the slip if necessary

2nd Exercise Warping out of a slip



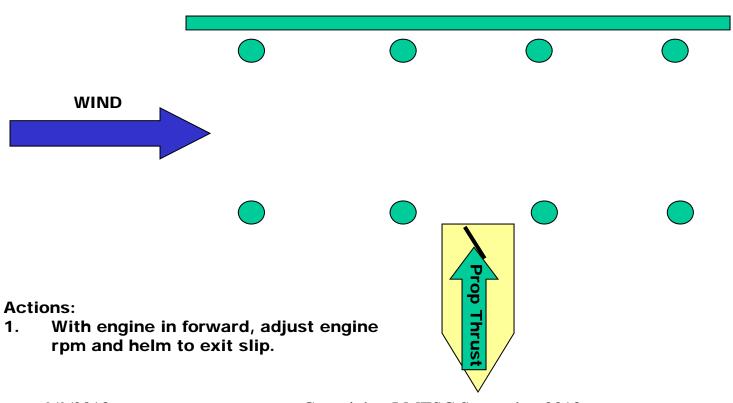
- 2. Ease out spring line to allow vessel to move out of slip
- 3. Adjust engine rpm to keep vessel to windward pilings
- 4. Adjust helm to straighten vessel in the slip if necessary

2nd Exercise Warping out of a slip



2. Release and retrieve spring line back to vessel

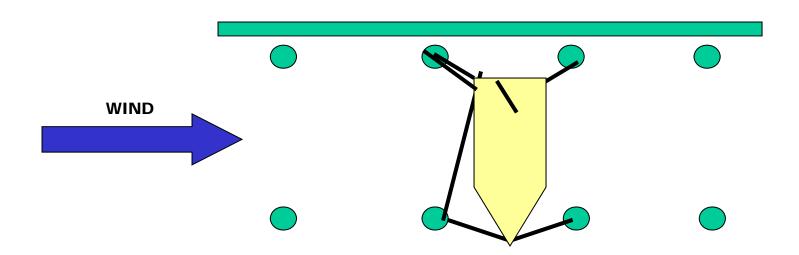
2nd Exercise Warping out of a slip



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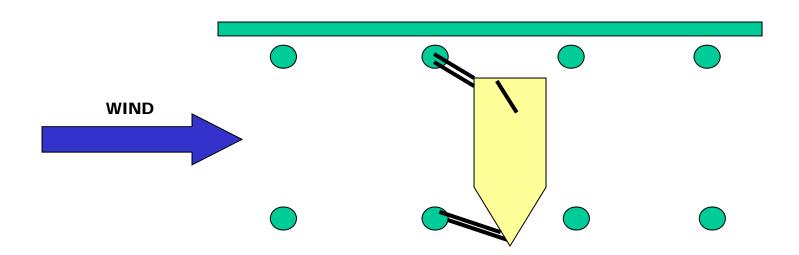
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3rd Exercise Warping out of a slip and turning to windward



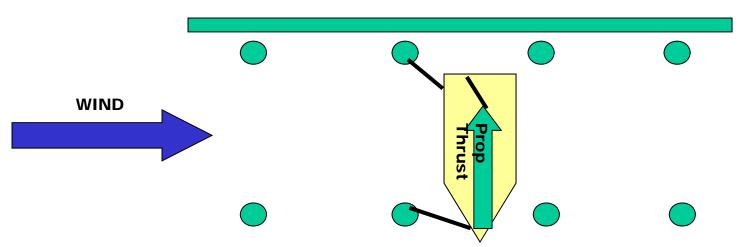
- 1. Attach a spring line to the starboard stern cleat
 - In this exercise, the vessel does not have a mid-ship cleat
- 2. Fasten spring line for release and retrieval to the vessel
- 3. Start engine

3rd Exercise Warping out of a slip and turning to windward

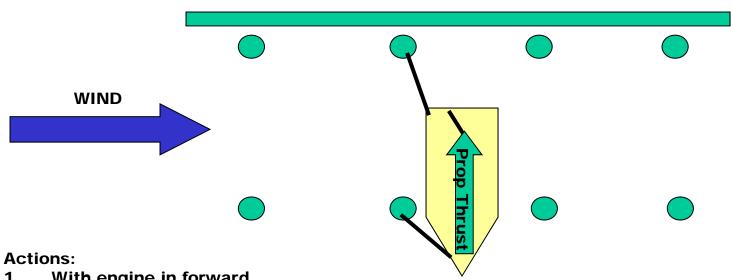


- 1. Remove port mooring lines and mooring spring line
- 2. Attach forward spring line to forward cleat, attach for release and retrieval

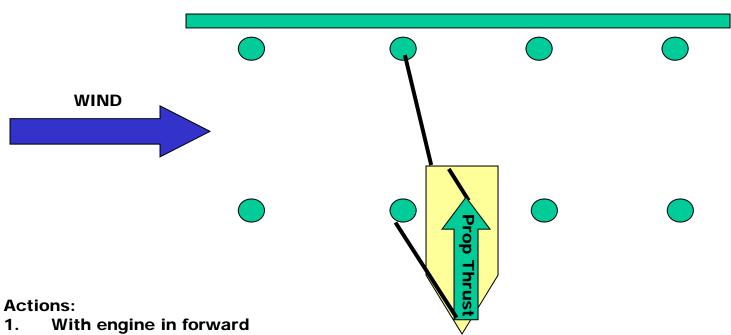
3rd Exercise Warping out of a slip and turning to windward



- 1. With engine in forward
- 2. Ease off forward mooring line
- 3. Adjust engine rpm to bring vessel to windward pilings
- 4. Adjust helm to starboard if necessary

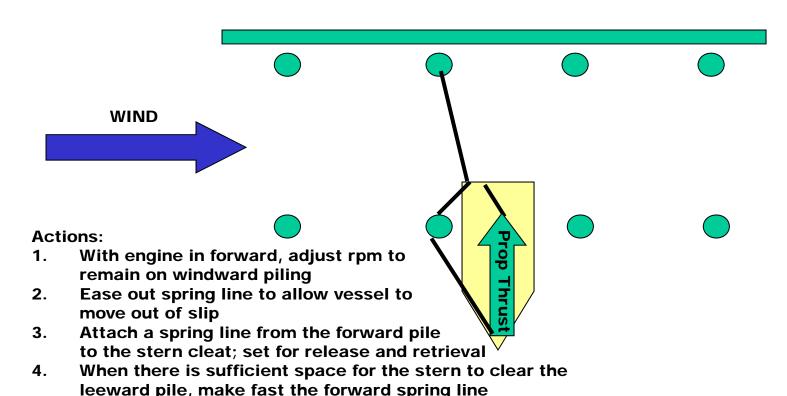


- With engine in forward 1.
- Ease out spring line to allow vessel to move out of slip 2.
- 3. Leave sufficient line for the vessel to move 75% out of the slip
- 4. Adjust engine rpm to keep vessel to windward pilings
- 5. Adjust helm to straighten vessel in the slip if necessary

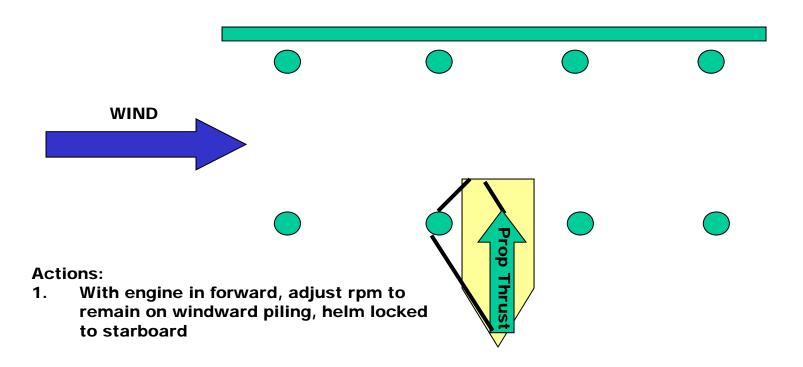


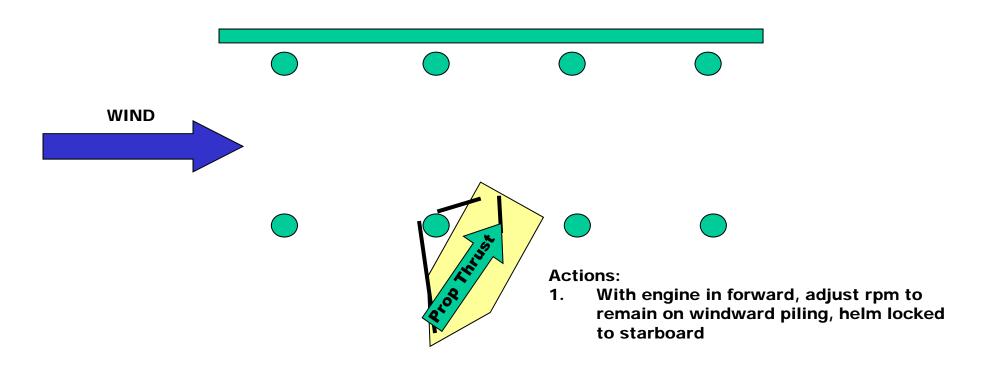
- Ease out spring line to allow vessel to move out of slip 2.
- 3. Adjust engine rpm to keep vessel to windward pilings
- 4. Adjust helm to straighten vessel in the slip if necessary

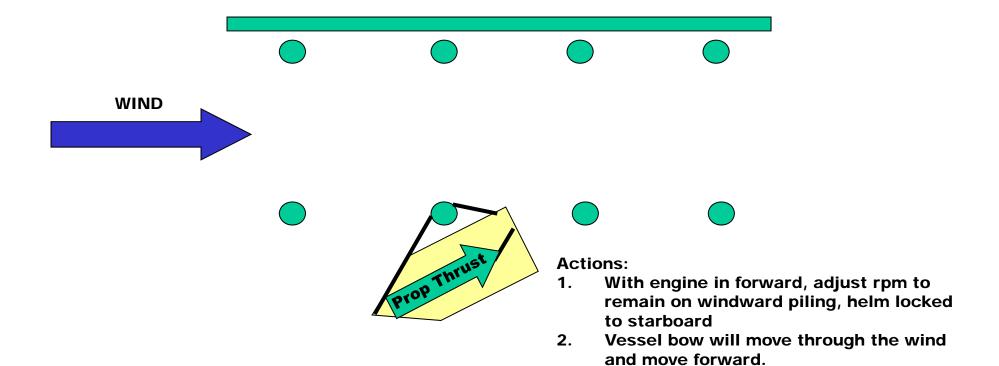
3rd Exercise Warping out of a slip and turning to windward



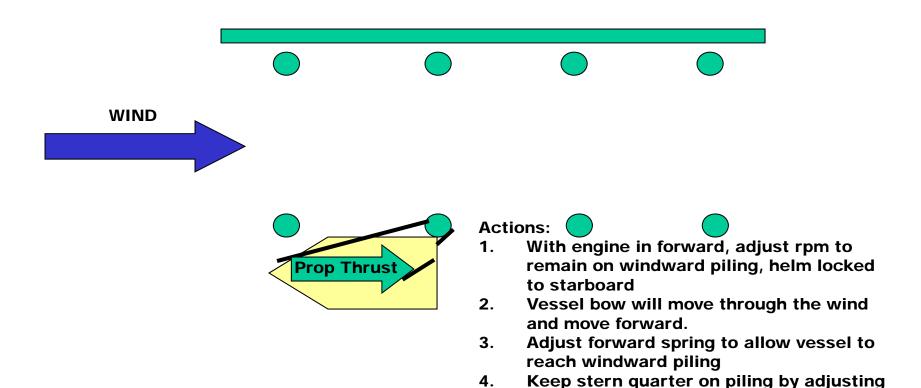
5. Adjust helm to straighten vessel in the slip if necessary
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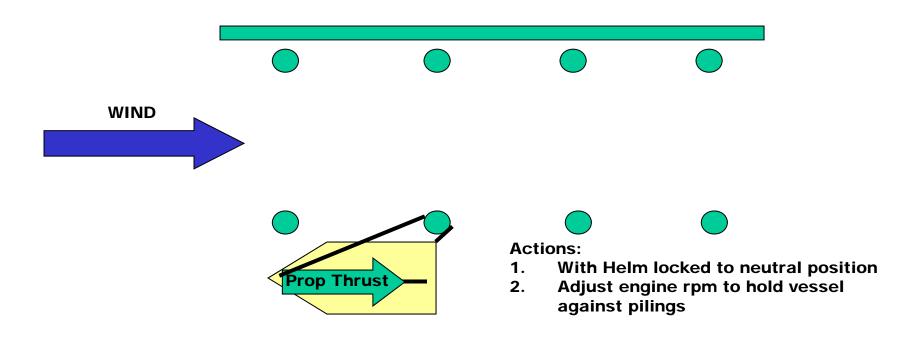


3rd Exercise Warping out of a slip and turning to windward

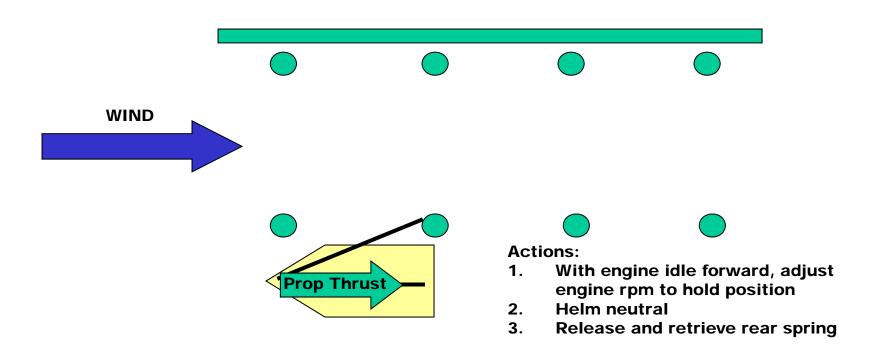


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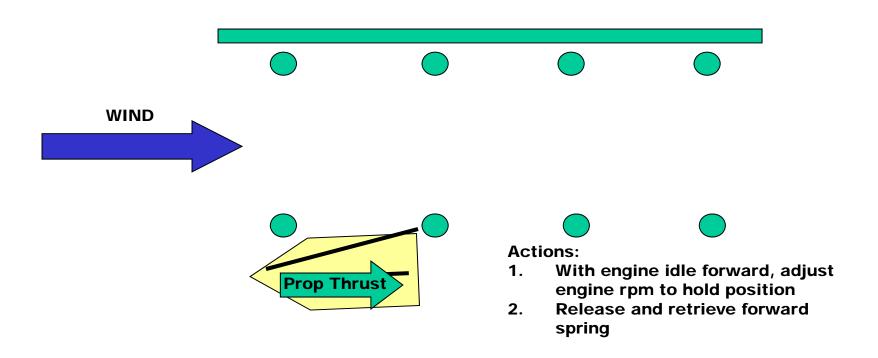
rear spring.



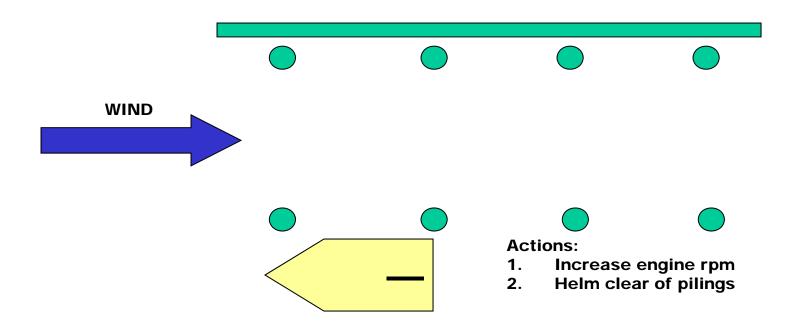
3rd Exercise
Warping out of a slip and turning
to windward

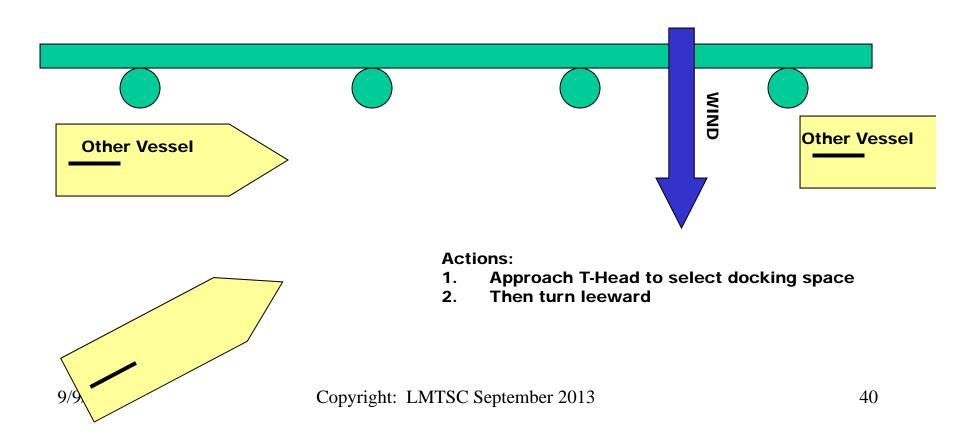


3rd Exercise
Warping out of a slip and turning
to windward

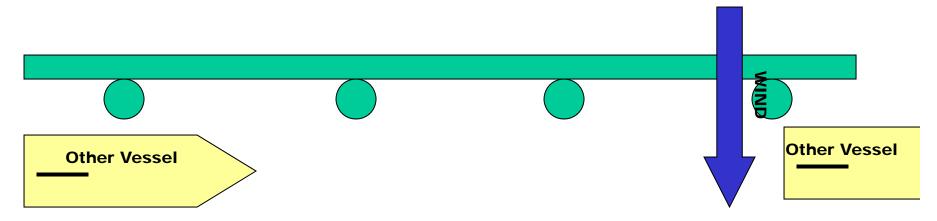


3rd Exercise
Warping out of a slip and turning
to windward



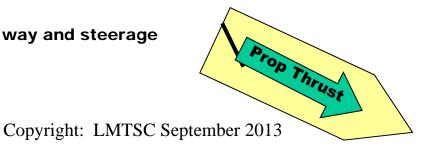


4th Exercise Docking to a T-Head Dock 'Parallel Parking'



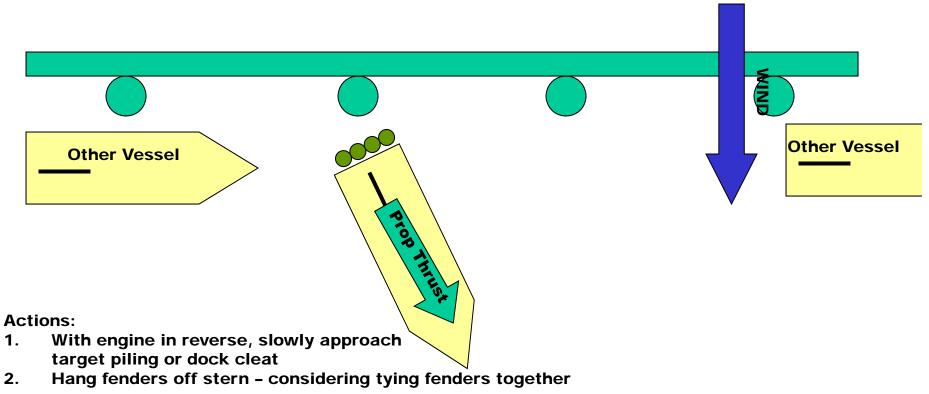
Actions:

1. With engine in reverse, gain way and steerage



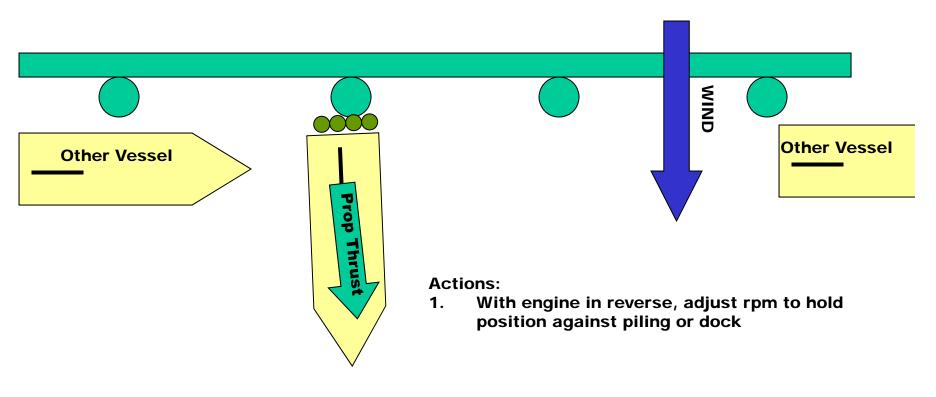
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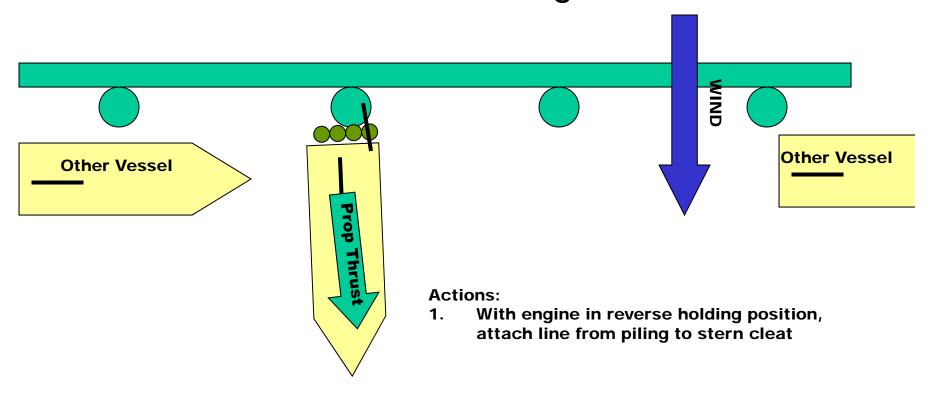
4th Exercise
Docking to a T-Head Dock
'Parallel Parking'

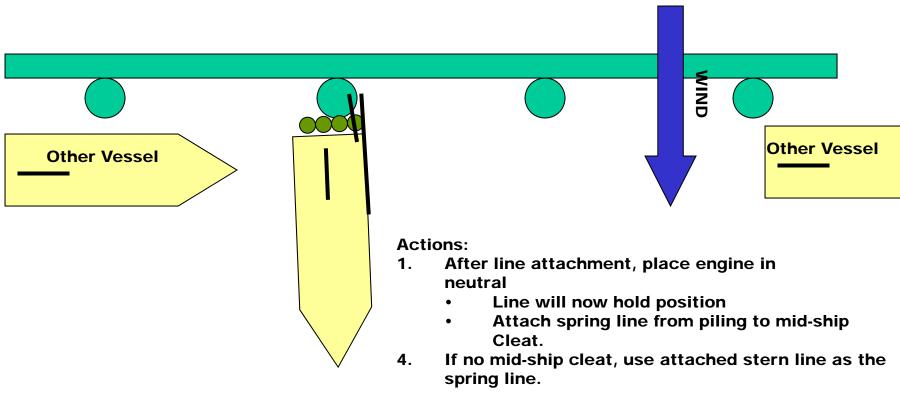


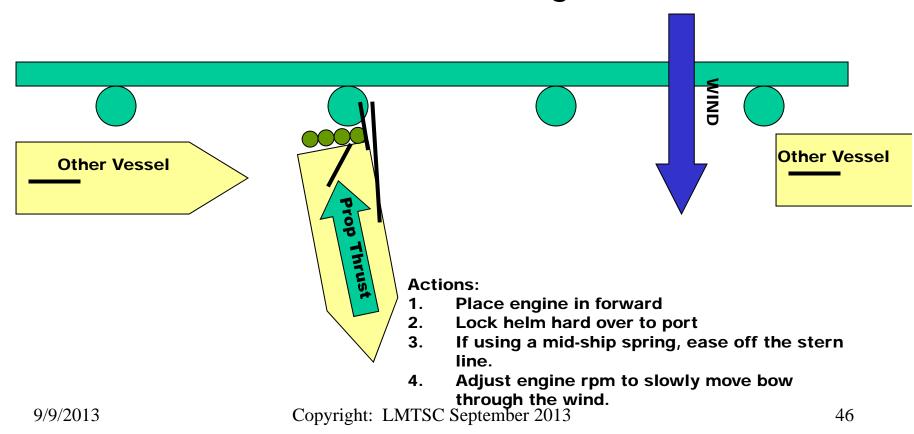
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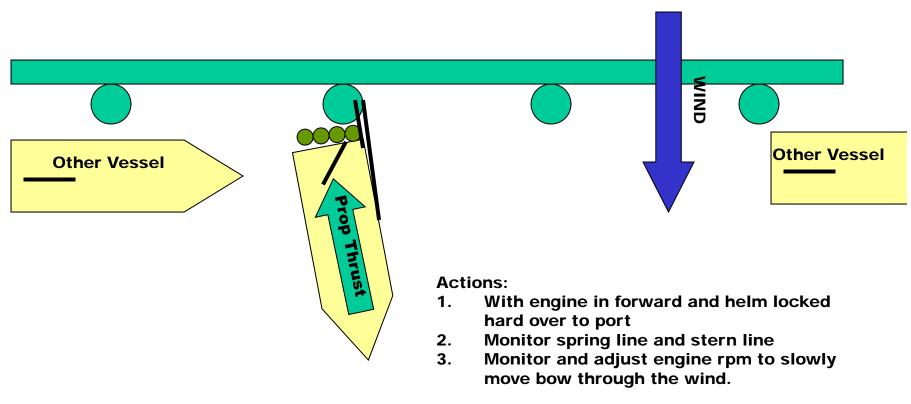
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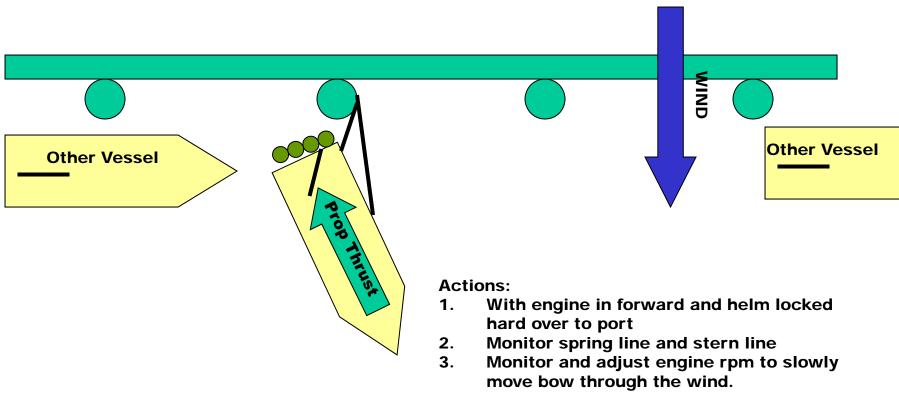




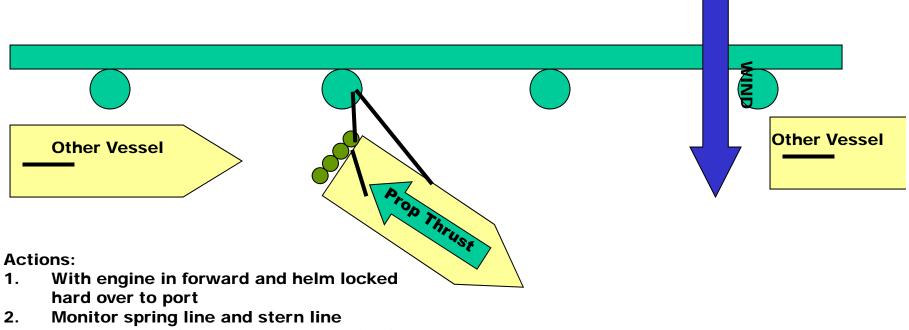






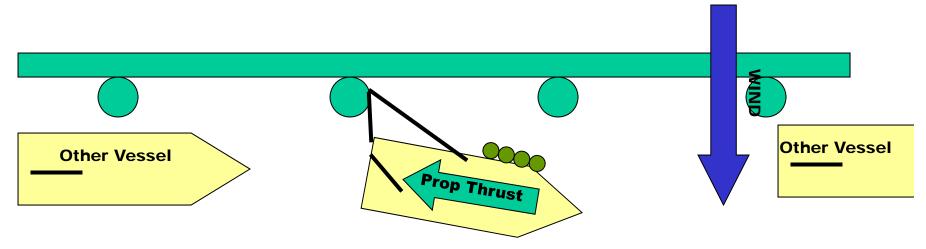


4th Exercise Docking to a T-Head Dock 'Parallel Parking'



Monitor and adjust engine rpm to slowly move bow through the wind.

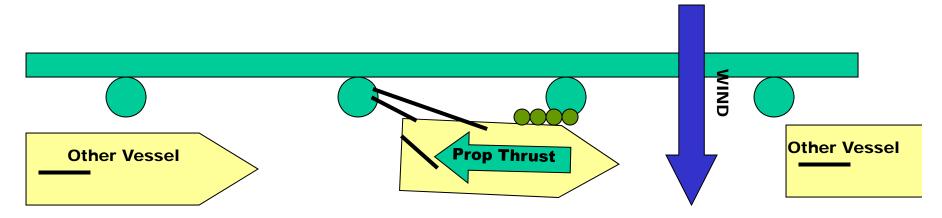
4th Exercise Docking to a T-Head Dock 'Parallel Parking'



Actions:

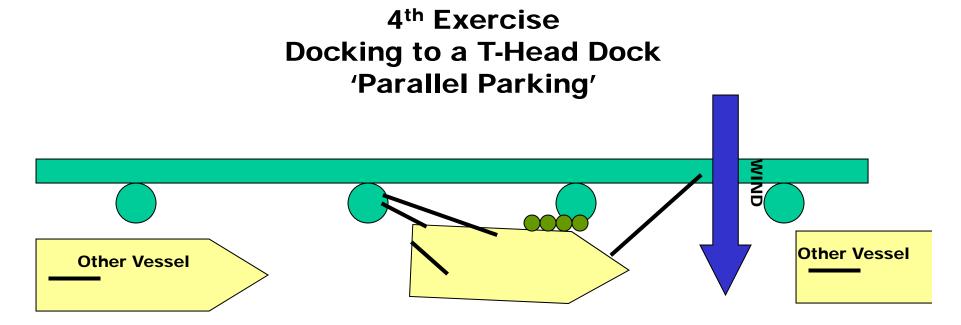
- With engine in forward and helm locked hard over to port
- 2. Monitor spring line and stern line
- 3. Monitor and adjust engine rpm to slowly move bow through the wind.
- 4. Move fenders to port side as needed

4th Exercise Docking to a T-Head Dock 'Parallel Parking'



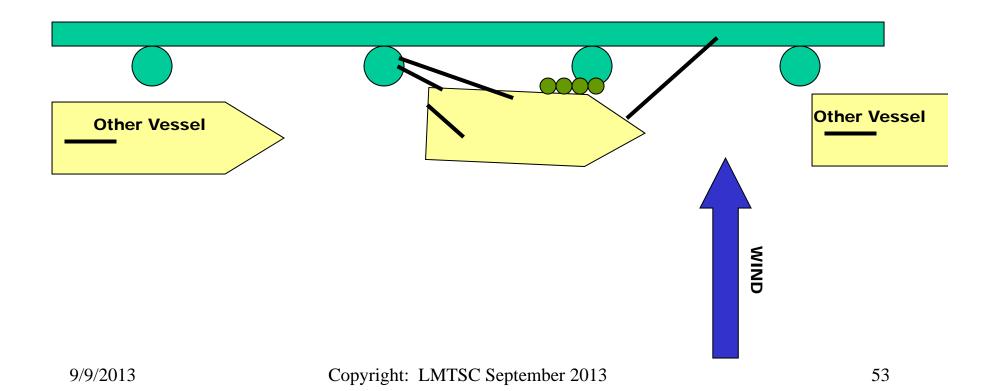
Actions:

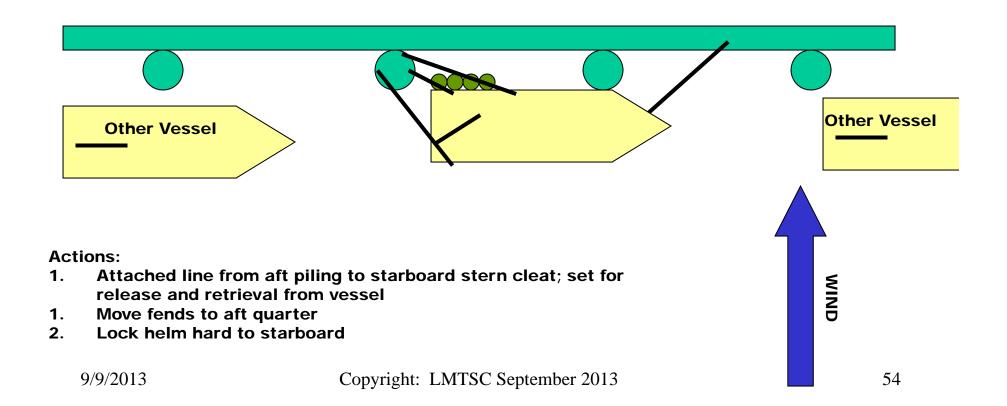
- Keep engine in forward and helm locked hard over to port to hold position again T-Head Dock
- 2. Make ready to set mooring lines

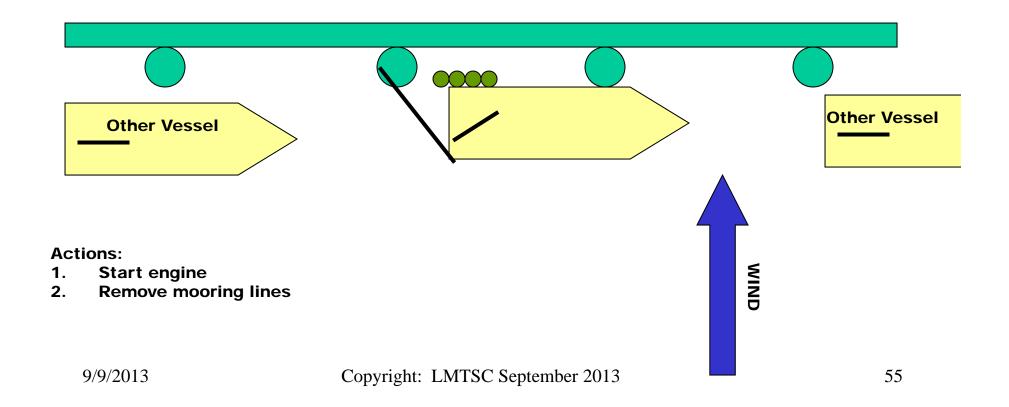


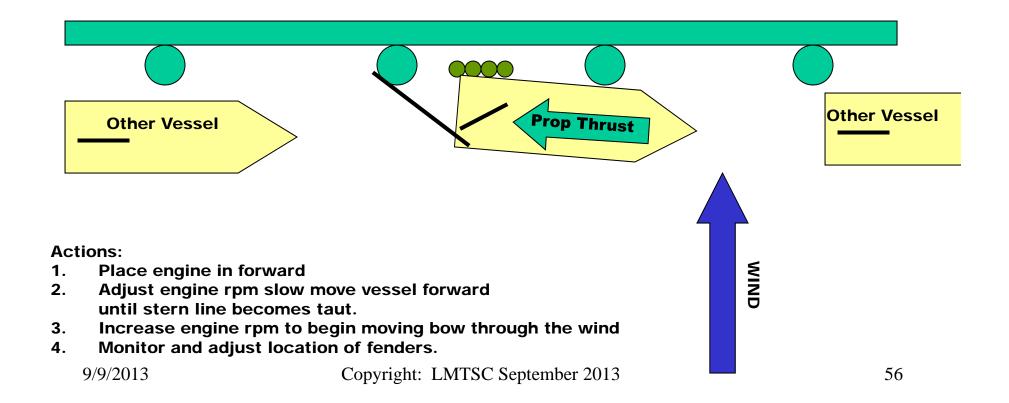
Actions:

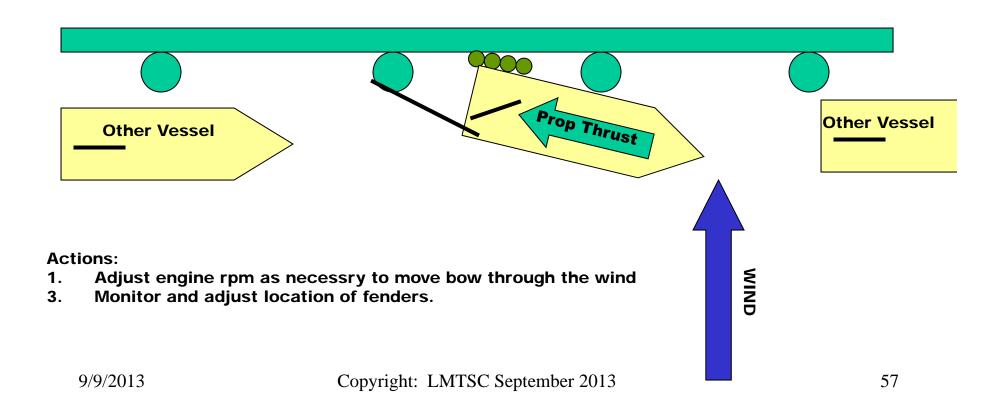
1. After lines are set to dock, engine to neutral.

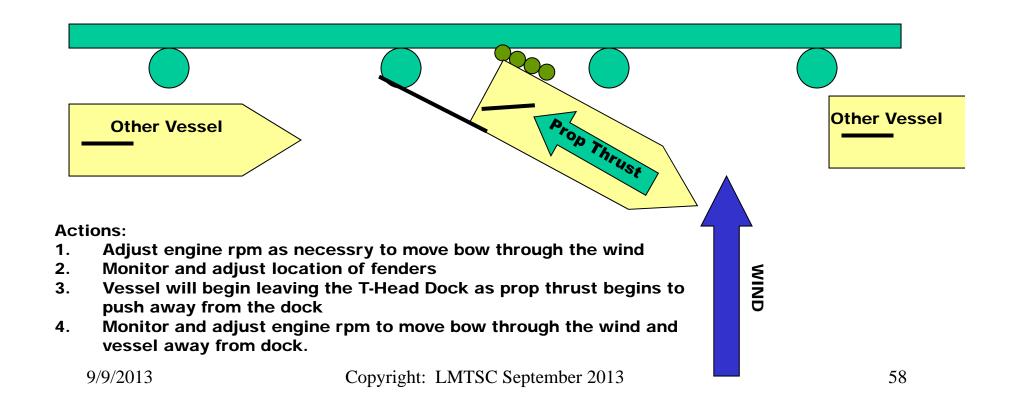


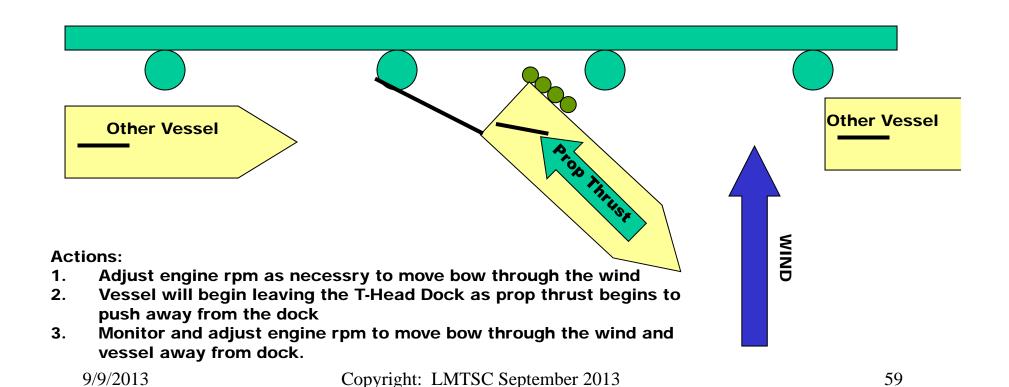




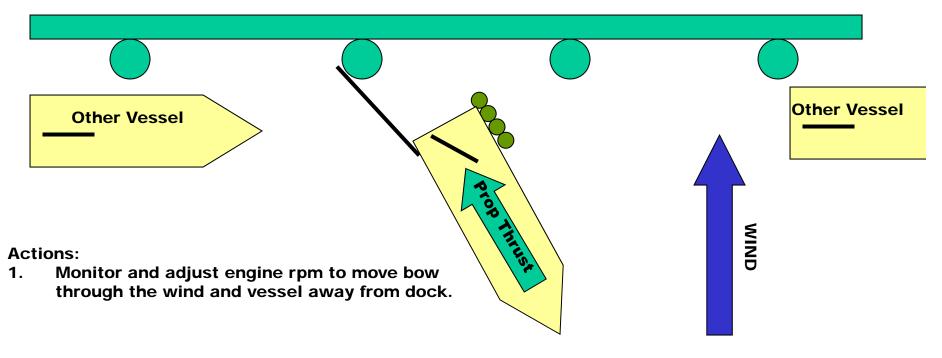








5th Exercise Leaving a T-Head Dock 'Pinned to the Dock'



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